

State Data Center Cost Allocation Plan Fiscal Year 2013



Introduction (A)

**State Data Center
Cost Allocation Plan
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Contents

The details of the cost allocation plan and resulting billing rates are presented in sections A through G. In summary these are:

- Introduction (Section A) – CAP methodology, and explanation of terms.
- Budget Summary (Section B) - Summarized anticipated expenditures for personnel and operating expenses for the SDC.
- Budget Detail (Section C) - Itemized estimated expenditures for the SDC. Yearly salaries by position, fringe benefits, and itemized expense and equipment by cost center are identified and totaled to arrive at the total SDC operating budget.
- Utilization Estimates by Customer (Section D) - estimated utilization for each service available by customer.
- Billing Rate Derivation (Section E) - Itemized list of costs allocated to a specific service and the rate calculation for that service.
- Cost Estimates by Customer (Section F) - Estimated billings for each customer based on the customer's estimated utilization and the rate.
- Rate Comparison (Section G) - Comparison of the current rates to the rates for the past four years.

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Cost Allocation Method

A cost-based development method was employed in establishing billing rates. The benefits of this cost based method are two. First, it is a full-cost recovery process. That is, both direct and indirect costs are included, which minimizes the potential problem of under/over recovery of the SDC's total budgeted costs. Second, each customer is treated in an equitable manner. That is, the rate is based upon the amount of resources used.

This method requires the development of a cost allocation plan which is accomplished through the execution of the following work steps.

1. Determine rate category for services provided - the types of customer services provided by the SDC are identified and approved by the Chief Information Officer (CIO).
2. Establish units of service - the unit of service used to measure the volume of service provided for each service type is established based on three major criteria:
 - a. relationship to the function performed
 - b. measurability
 - c. controllability by the customer
3. Compile customer estimated utilization - the estimated utilization by customer for each service provided is compiled. The individual estimates are then totaled to develop the basis for computation of the billing rate.

NOTE: Utilizations for FY12 were used as a basis for developing the FY13 estimates.

4. Identify types of cost - two basic types of cost are identified, allocated direct and allocated indirect. Allocated direct costs are those personnel and expense and equipment costs that can be directly identified with providing a type of service. Allocated indirect costs are related support costs that cannot be directly identified with providing a specific type of service.
5. Determine allocated direct costs - budgeted personnel and expense and equipment costs that can be directly identified with providing a specific type of service are accumulated to determine total allocated direct costs by type of service.
6. Determine allocated indirect costs - budgeted costs identified as allocated indirectly are prorated among the types of service.
7. Summarize total costs by service - total cost by service is determined by adding the direct and indirect allocated costs and job costs.
8. Calculate rate per unit of service - the rate per unit of service is calculated by dividing the total annual cost by the total estimated annual utilization.

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Explanation of Terms

- Allocated Direct - Personnel service and expense and equipment costs that are directly identified with providing a specific type of service. For example, CICS software product cost is directly allocated to CICS Transactions.
- Allocated Indirect - Personnel service and expense and equipment costs that are not identified as being directly attributable to a specific type of service. For example, office supplies is allocated pro-rata to all types of services.
- CICS Transaction - A CICS Transaction is a request, made at a workstation, for a display of information on the workstation or the storage of information being entered from the workstation.
- COOL:Gen (Composer) Service Units - A COOL:Gen Service Unit is a translation of CPU resources used for batch jobs and TSO transactions when using the COOL:Gen product.
- CPU Service Unit - CPU resources used for batch jobs, TSO transactions, CICS transactions, IDMS transactions, DB2 ClientServer transactions, FOCUS, and DB2 transactions are monitored and measured in CPU service units. Service units used by DB2 transactions are reported under CICS, TSO, and Batch.
- AD\Exchange - These are costs associated with Active Directory and Email services to the customers. Costs are based on the number of accounts and/or the amount of email being stored on the servers.
- Data Domain – A Data Deduplication and Replication Appliance used for backups .
- Data Storage Management (DSM) - Data Storage Management is the utilization of data storage on tape and on HSM DASD. Utilization is measured in gigabytes (billions of characters) allocated to customer and SDC data.
- DB2 Service Units - A DB2 Service Unit is a translation of resources used by the DB2 product.
- Direct Access Storage - Direct Access Storage is measured in gigabytes (billions of characters) allocated to customer and SDC data.
- IDMS Run Unit - An IDMS run unit is an online or batch request to access data managed by the IDMS data base system.
- Laser Feet, Duplex Printing and Lines Printed - Print is based on lines printed (impact) or feet printed (laser/duplex) from the SDC mainframe printers.
- Job Costs - These are costs associated with backup, maintenance and monitoring of systems that are required to provide customer services. These costs are applied to the appropriate type of service.
- Remote Server Support – Technical support and hardware replacement for servers not located in the State Data Center.

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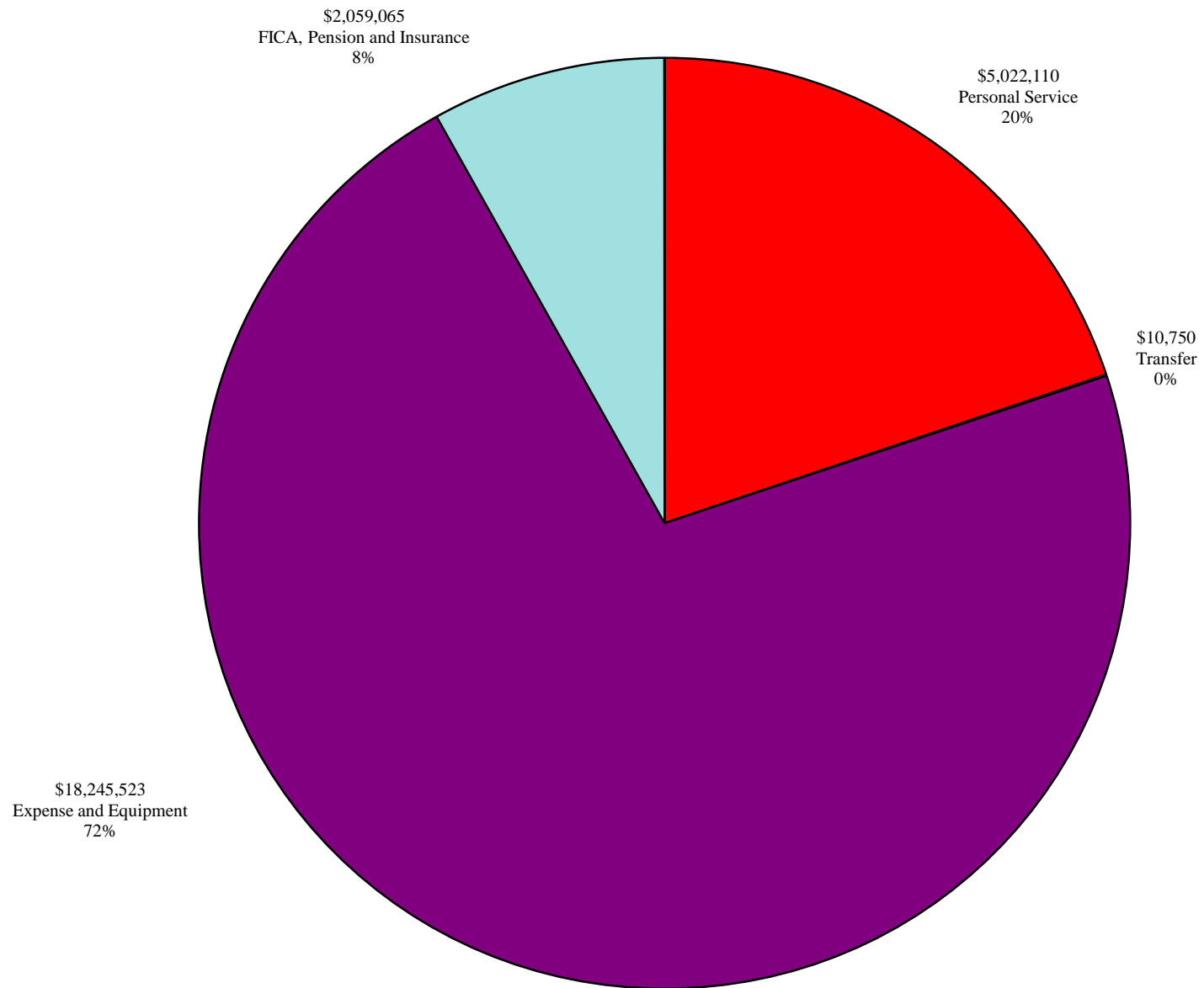


Explanation of Terms Continued

- SAN (Storage Area Network)- Disk Storage used by the Open System environment.
- Server Support – Server Support encompasses the many tasks of managing a physical server and it's infrastructure.
- Tivoli Storage Management (TSM) – Is an IBM software product that is used by customers to backup their servers and desktops. Cost to customers is based on how much backup storage they occupy.
- VM (Virtual Machine) – A Virtual Machine is a technique using specialized software to combine images of multiple servers on a single machine.
- WAS (WebSphere Application Server) – IBM's J2EE application server providing a platform for running java applications with EJB, Web Services, and other Feature Packs.
- VDI (Virtual Desktop Infrastructure) - Is the practice of hosting a desktop operating system within a virtual machine (VM) running on a hosted, centralized server. Access to the virtual desktop can be achieved with a variety of end point devices.
- CPU Priority Adjustment - CPU Priority Adjustments are based on the batch job priority classes defined by the customers and the time of day for TSO usage. Low priority jobs are billed at 75 percent of the normal CPU billing rate. These jobs are processed during the second and third shifts. Class '1' jobs are billed at 65 percent of the normal CPU billing rate. These jobs are processed during weekends and holidays. TSO CPU, FOCUS CPU, and Roscoe CPU usage during non-prime hours (5 p.m. to 7 a.m.) is billed at 75 percent of normal CPU billing rate.

Budget Summary (B)

FY13 State Data Center Budget Summary



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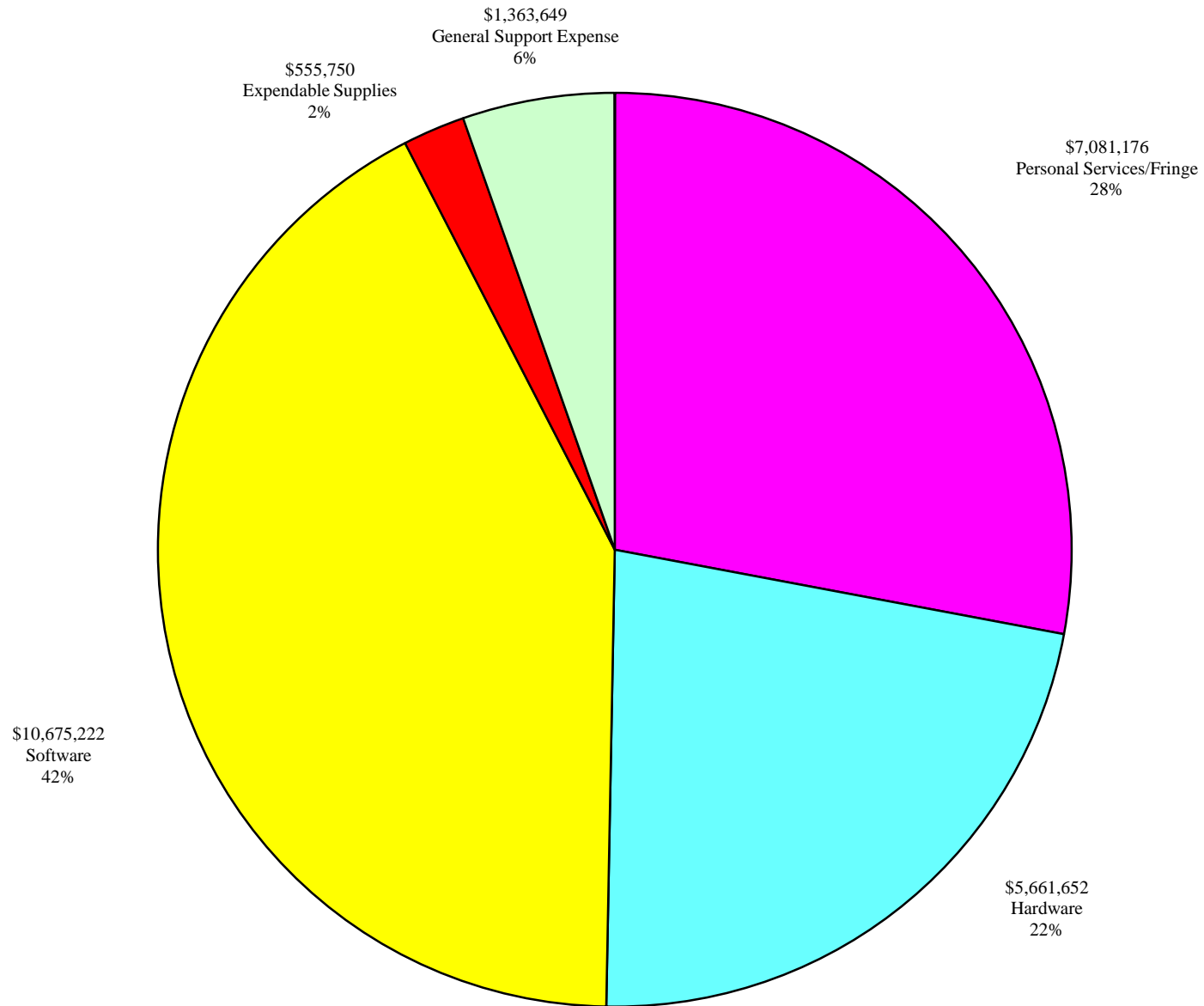


**FY13 Budget Summary
State Data Center**

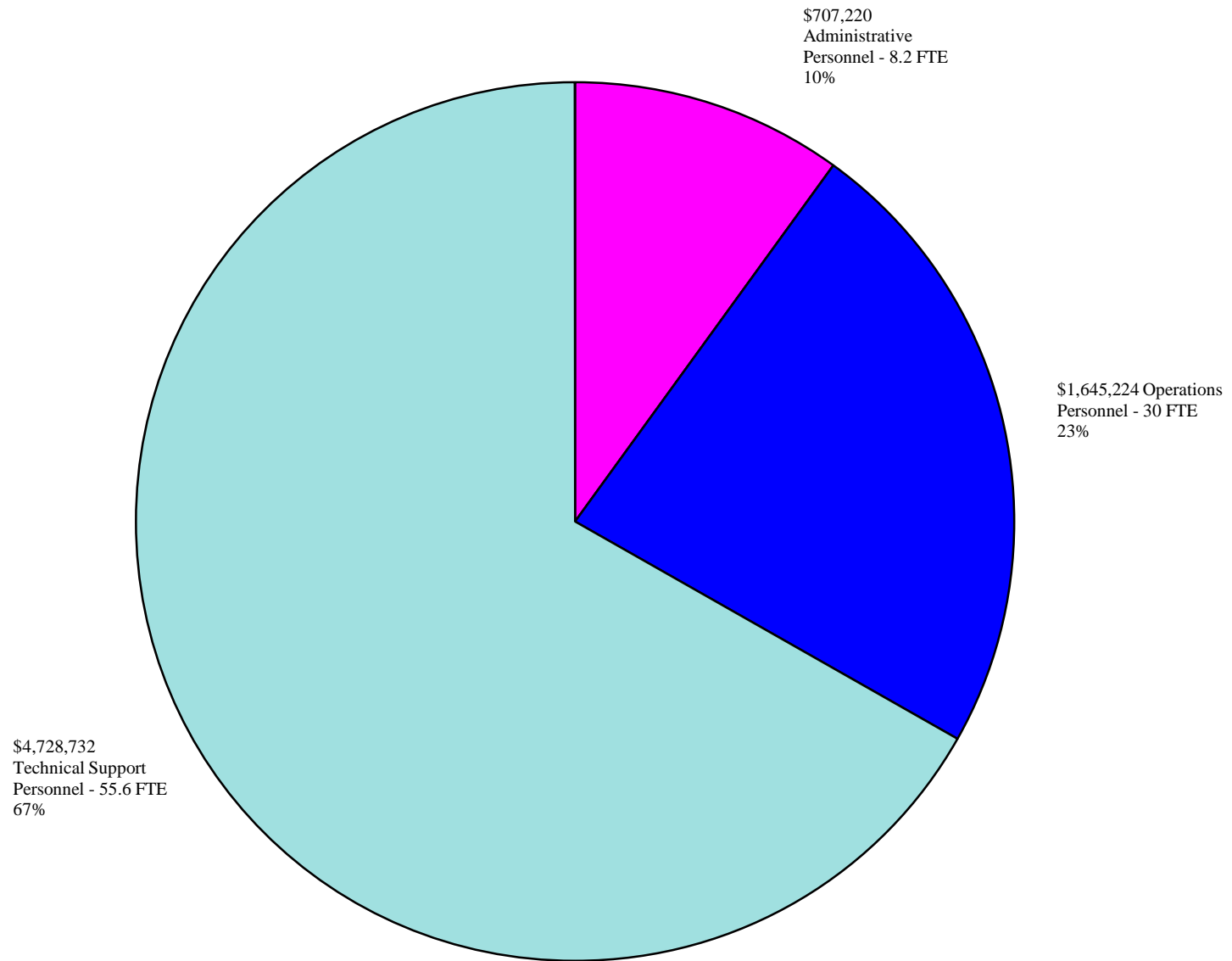
	<u>Revolving Fund</u>
Personal Service	\$5,022,110
Expense and Equipment	\$18,245,523
Transfers	\$10,750
FICA, Pension and Insurance	\$2,059,065
Total Budgeted Costs	<u>\$25,337,449</u>

Budget Detail (C)

FY13 State Data Center Object Code Allocations



FY13 State Data Center Personnel Allocation



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**FY13 Budget Detail
State Data Center**

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
Personnel			
Administrative Personnel			
1	Accounting Analyst III (.25 FTE)	13,933	14,212
2	Accounting Specialist II (.25 FTE)	11,562	11,793
3	Accounting Specialist III	51,156	52,179
4	Administrative Office Support Assistant (.25 FTE)	6,344	0
5	Administrative Office Support Assistant (.25 FTE)	6,943	7,082
6	Administrative Sr. Office Support Assistant (.29 FTE)	10,242	10,447
7	CIO (.29 FTE)	34,985	35,685
8	Deputy for Operations (.29 FTE)	26,435	26,964
9	Executive I (.25 FTE)	10,626	10,839
10	Executive I (.25 FTE)	8,661	8,834
11	Executive I (.5 FTE)	0	18,012
12	Executive II (.25 FTE)	10,015	10,215
13	Fiscal & Administrative Manager Band 2 (.25 FTE)	24,958	25,457
14	Fiscal & Administrative Manager Band 2 (.25 FTE)	14,469	14,759
15	Fiscal & Administrative Manager Band 2 (.25 FTE)	16,769	17,104
16	Fiscal & Administrative Manager Band 3 (.25 FTE)	24,958	25,457
17	Information Technology Manager (.29 FTE)	20,286	20,692
18	Information Technology Specialist I (.25 FTE)	17,486	17,836
19	Information Technology Supervisor	56,678	57,811
20	Miscellaneous Technical (.15 FTE)	4,214	0
21	Office Of Administration Manager Band 2 (.25 FTE)	21,541	21,972
22	Office Of Administration Manager Band I (.25 FTE)	16,141	16,464
23	Procurement Officer I (.25 FTE)	11,055	11,276
24	Procurement Officer II (.25 FTE)	10,990	15,508
25	Procurement Officer II (.25 FTE)	12,021	12,261
26	Section Manager Div Of Information Services (.29 FTE)	20,853	21,270
27	Special Asstistant Professional (.29 FTE)	17,103	17,445
Total Administrative Personnel		\$480,425	\$501,574
Computer Operations Personnel			
1	Computer Operations Supervisor I	45,133	46,035
2	Computer Operations Supervisor I	44,868	45,766
3	Computer Operations Supervisor I	43,142	44,005
4	Computer Operations Supervisor I	46,999	47,939
5	Computer Operations Supervisor I	46,031	46,951
6	Computer Operations Supervisor II	46,031	46,951
7	Computer Operator I	34,326	35,013
8	Computer Operator I	37,063	37,804
9	Computer Operator I	29,164	29,747
10	Computer Operator II	34,988	35,688
11	Computer Operator II	30,273	30,878
12	Computer Operator II	26,259	26,784
13	Computer Operator II	32,532	33,183
14	Computer Operator II	26,680	27,213

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FY13 Budget Detail continued

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
15	Computer Operator III	36,349	37,076
16	Computer Operator III	33,122	33,784
17	Computer Operator III	30,820	31,436
18	Computer Operator III	35,634	36,346
19	Computer Operator III	44,868	45,766
20	Computer Operator III	43,142	44,005
21	Computer Operator Trainee	29,611	30,203
22	Computer Operator Trainee	28,139	28,702
23	Computer Operator Trainee	22,231	22,675
24	Computer Operator Trainee	25,810	26,326
25	Information Technologist I	43,984	44,864
26	Information Technologist II	39,170	39,954
27	Information Technologist II	37,023	37,764
28	Information Technologist III	41,680	42,514
29	Information Technologist III	48,964	0
30	Information Technologist IV	48,964	49,943
31	Information Technology Supervisor (.30 FTE)	17,713	0
32	Manager of Operations	60,304	61,510
	Operations Overtime	20,000	20,000
Total Computer Operations Personnel		\$1,211,016	\$1,166,826
Technical Support Personnel			
1	Director of State Data Center (.5 FTE)	39,996	40,796
2	Information Technologist I	46,999	47,939
3	Information Technologist I (.8 FTE)	28,507	29,077
4	Information Technologist II	55,448	56,557
5	Information Technologist III	61,553	62,784
6	Information Technologist III	71,602	73,034
7	Information Technologist III	0	42,033
8	Information Technologist IV	48,964	49,943
9	Information Technologist IV	47,184	48,128
10	Information Technologist IV	48,084	49,046
11	Information Technologist IV	0	55,448
12	Information Technology Manager (.5 FTE)	27,083	27,624
13	Information Technology Manager I	74,787	76,283
14	Information Technology Manager I	69,948	71,347
15	Information Technology Senior Specialist (.8 FTE)	50,332	51,339
16	Information Technology Senior Specialist (.8 FTE)	53,678	54,752
17	Information Technology Specialist I	24,431	42,987
18	Information Technology Specialist I	49,104	50,086
19	Information Technology Specialist I	52,200	53,244
20	Information Technology Specialist I	49,932	50,931
21	Information Technology Specialist I	46,999	47,939
22	Information Technology Specialist I	54,283	55,369
23	Information Technology Specialist I	65,693	67,007

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FY13 Budget Detail continued

Item Number	Description	\$ FY12 CAP	\$ FY13 CAP
24	Information Technology Specialist I	52,038	53,078
25	Information Technology Specialist I	50,070	51,072
26	Information Technology Specialist I	73,103	74,565
27	Information Technology Specialist I	54,360	55,447
28	Information Technology Specialist I	51,153	52,176
29	Information Technology Specialist I	51,013	52,033
30	Information Technology Specialist I	62,914	64,173
31	Information Technology Specialist I	53,174	54,238
32	Information Technology Specialist I	62,914	64,173
33	Information Technology Specialist I	60,324	61,530
34	Information Technology Specialist I	49,104	50,086
35	Information Technology Specialist I	50,076	51,078
36	Information Technology Specialist I	0	49,943
37	Information Technology Specialist I (.5 FTE)	31,457	32,086
38	Information Technology Specialist I (.5 FTE)	30,776	31,392
39	Information Technology Specialist I (.5 FTE)	34,972	35,671
40	Information Technology Specialist II	70,058	71,459
41	Information Technology Specialist II	61,620	62,852
42	Information Technology Specialist II	59,041	60,222
43	Information Technology Specialist II	60,304	61,510
44	Information Technology Specialist II	53,292	54,358
45	Information Technology Specialist II	61,620	62,852
46	Information Technology Specialist II	54,283	55,369
47	Information Technology Specialist II	62,914	64,173
48	Information Technology Specialist II	55,448	56,557
49	Information Technology Specialist II	55,448	56,557
50	Information Technology Specialist II	59,041	60,222
51	Information Technology Specialist II	59,339	60,526
52	Information Technology Specialist II	64,276	65,561
53	Information Technology Specialist II	67,079	68,420
54	Information Technology Specialist II	61,620	62,852
55	Information Technology Specialist II	57,864	59,021
56	Information Technology Specialist II	61,620	62,852
57	Information Technology Specialist II	67,097	68,438
58	Information Technology Specialist II (.8 FTE)	46,292	47,218
59	Information Technology Specialist II (.8 FTE)	53,678	54,752
60	Information Technology Supervisor	55,397	56,505
	Technical Support Overtime	45,000	45,000
Total Technical Support Personnel		\$3,126,587	\$3,353,710
Total Personnel		\$4,818,027	\$5,022,110
Total Fringe Benefits		\$1,975,391	\$2,059,065
Total Personnel and Fringe Benefits		\$6,793,419	\$7,081,176

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FY13 Budget Detail continued

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
Normalized Salary for Computer Operations Personnel		\$1,166,826 / 30 = \$38,894	
Normalized Salary for Technical Support Personnel		\$3,353,710 / 56.5 = \$59,358	
Hardware Lease			
103	CPU Lease	890,319	0
104	CPU Annual Growth Upgrades	642,800	642,800
105	DASD Lease	0	0
106	DASD Growth	330,400	330,400
108	Disaster Recovery CPU (Springfield Site)	242,823	242,823
111	High Density Tape Drive (VTSM) Growth	50,000	50,000
113	SAN DASD	170,472	85,236
114	VSM Upgrade	35,000	0
116	InfoPrint 4000 Upgrade	300,000	300,000
Total Hardware Lease		\$2,661,814	\$1,651,259
Hardware Maintenance			
204	CPU Maintenance	398,839	398,839
205	DASD Maintenance	50,099	53,905
206	Data Domain Server and Storage Maintenance	0	141,655
214	External Coupling Facility	21,857	21,857
222	Print Unwinder/Job Sep/CTS	85,825	85,825
223	Printer Usage	181,000	181,000
224	Printer-Impact	1,500	1,500
225	Printer-Laser	86,967	86,967
227	Remote Communications Controller	9,724	0
230	Service Processor	723	723
231	SAN Server and Storage Maintenance	286,493	252,891
232	TSM Server and Storage Maintenance	0	91,172
233	GTx Qualifier Maintenance	0	2,000
234	Tape Unit	41,864	41,864
236	FICON Directors	40,000	51,158
237	Virtual Tape	0	0
238	VM Server and Storage Maintenance	0	40,558
239	Batteries/UPS Maintenance	42,000	42,450
240	Generator Maintenance	7,741	7,741
241	Console Support Controller	1,290	1,290
242	Servers - Maintenance Renewals	35,400	35,400
243	VDI Server Maintenance	0	19,506
244	VDI Storage Maintenance	0	20,698
Total Hardware Maintenance		\$1,291,322	\$1,578,999
Software Lease			
301	ACF/NCP	10,380	10,380
302	ACF/SSP	19,080	19,080
303	Softek TDMF Replicator for zOS	21,300	22,365
304	ASF V3 Base plus Document Writing	23,232	23,232

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FY13 Budget Detail continued

Item Number	Description	\$ FY12 CAP	\$ FY13 CAP
305	BMC Mainview	71,600	71,600
306	CICS Transaction Gateway	48,585	48,585
307	CICS/TS V5	1,093,296	1,093,296
308	COBOL for OS/390 & VM Alt	132,828	132,828
309	MacKinney Software	8,093	8,093
310	DCF Base	27,960	27,960
311	AFP Toolbox (Toolkit)	3,540	3,540
313	DSF/DSS/HSM OS/390 V2	140,453	140,453
319	IBM Websphere App Svr V5 (WAS for z/OS)	33,264	63,771
321	Interactive Output Facility (IOF)	6,321	6,321
324	WebSphere MQ for Z/OS	349,596	349,596
328	OGL/370 V1	5,220	5,220
329	OS/390 Version 2	2,044,945	2,044,945
330	Page Print Format Aid/370 V1	3,660	3,660
331	PL/I Alternate Function	120,396	120,396
332	PSF/MVS	20,748	20,748
333	SDF II MVS	27,300	27,300
335	Red Hat Enterprise\Network Satellite	0	18,689
338	DB2 for Z/OS V9	917,832	947,832
341	UDB - DB2 Utilities Suite	30,261	30,261
343	Antivirus For Exchange	25,000	25,000
Total Software Lease		\$5,184,890	\$5,265,151
Software Maintenance			
401	Axceler ControlPoint	14,500	14,500
403	CA All Fusion	29,939	29,939
404	CA Intertest W/XA-ESA-Batch	74,695	76,240
405	CA Intertest W/XA-ESA-CICS	103,147	105,282
406	CA Librarian	168,147	171,626
408	CA Restart/Recover (CA11)	54,254	55,377
410	CA Scheduling Package (CA7)	160,006	163,317
411	CA TMS (CA1)	59,741	60,977
412	CA UNIPAK	1,455,968	1,486,093
413	IBM Tivoli Omegamon DE V3	45,813	45,813
414	IBM Tivoli Omegamon XE CICS V3	45,813	45,813
415	CL/Supersession for z/OS	48,104	48,104
416	IBM Tivoli Omegamon XE DB2 V4	96,512	96,512
417	IBM Tivoli Omegamon XE z/OS V2	91,626	91,626
418	Catalog/ Disk / HSM Audit and Recovery Utilities	27,225	27,225
419	DB2 Connect	37,247	37,247
420	Allen System Group Job Scan/Docu Text	39,780	43,859
421	Document Management Systems (MOBIUS)	84,937	87,486
422	Dumpmaster MVS	99,900	104,895
423	Group 1 Software MailStream Plus	9,862	10,766
424	Group 1 Software Zip+4 (Code-1 Plus)	22,617	24,690
425	IBI FOCUS	575,000	0

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FY13 Budget Detail continued

Item Number	Description	\$ FY12 CAP	\$ FY13 CAP
426	IBM Storage Volume Controller (SVC)	0	115,000
427	IBM TotalStorage Productivity Center (TPC)	0	110,150
428	Tivoli WAS\ND	48,000	48,000
429	Insync MVS	85,539	89,817
430	IPSwitch Renewal	5,000	6,500
431	Application Time Facility (Tic Toc)	6,916	7,608
432	DB2 LUW	7,894	7,894
433	LOTUS Domino V6	13,886	13,886
434	Connect:Direct	11,000	12,000
435	Merrill Consultants MXG	3,000	3,000
436	MVS Quick Reference	34,437	37,192
437	Microsoft Premiere Support	31,000	31,000
440	Platinum DB2 Tools	338,042	345,036
441	RevealNet Reveal for DB2	2,760	2,760
443	SAS Base	153,050	153,050
444	SAS/ STAT	96,780	96,780
445	SAS/ACCESS	96,780	96,780
447	SAS/ETS	48,390	48,390
452	SI SyncSort	18,688	18,688
454	SPC Systems - COBOL Report Writer Precompiler	2,849	2,849
460	Tivoli Storage Management	210,845	210,845
463	Vanguard Security Reporter	47,886	51,507
464	DB2 Buffer Pool Tool	19,425	19,425
466	BMC Event Manager	15,000	15,000
468	SQL	70,000	70,000
469	VMWare View Software Maintenance	0	152,650
470	Microsoft VDA Licensing (Software Subscription)	0	170,250
472	SDI TN3270 Emulation	13,139	13,500
474	Server Software - Maintenance Renewals	235,202	235,202
475	GSF STEPLIB/LLIBEF	3,000	3,000
476	What's Up	4,000	4,000
477	SAN Software	150,000	150,000
478	Vranger Software Maintenance	0	23,925
Total Software Maintenance		\$5,117,341	\$5,193,071
Hardware Purchase			
504	SAN - New/Replacement Purchases	165,876	165,876
505	Deduplication/Replication Purchase	235,210	235,210
507	Remote Server Replacement	0	461,652
509	Tools for Staff	38,000	38,000
510	Servers - New/Replacement Purchases	0	0
511	TSM Hardware Purchase	942,212	942,212
514	VM Hardware Purchase	235,430	235,430
515	Data Domain Hardware Upgrade	0	219,000
516	VDI End-Point Device (Then Clients)	0	0
517	VDI Server and Upgrades	0	65,020

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FY13 Budget Detail continued

Item Number	Description	\$ FY12 CAP	\$ FY13 CAP
518	VDI Storage and Upgrades	0	68,994
	Total Hardware Purchase	\$1,616,728	\$2,431,394
	Software Purchase		
603	Software Upgrade	0	0
605	Fax Services	62,000	62,000
606	TSM Software Purchase	0	0
607	VM Software Purchase	60,000	60,000
608	Vranger License Enhancement	0	9,000
609	VMWare View Licensing	0	86,000
	Total Software Purchase	\$122,000	\$217,000
	Expendable Supplies		
701	Magnetic Tapes & Supplies	60,000	60,000
703	Network Supplies	5,000	5,000
704	Paper and Forms	285,000	285,000
705	Paper Storage and Transport Transfer	10,750	10,750
706	Printer Supplies	195,000	195,000
	Total Expendable Supplies	\$555,750	\$555,750
	General Support Expense		
802	Consulting Service	35,000	35,000
803	Contracted Personnel	0	0
804	Disaster Recovery	4,950	0
805	IBM Global Network(Advantis)	10,000	10,000
806	Internet Access	1,500	1,500
807	IBM Server Support Line	45,000	45,000
808	MAN Connection/ANS Support/RLS Charges	112,800	112,800
810	Open Systems DR	81,720	81,720
811	Office Supplies, Equipment and Maintenance	12,500	12,500
812	Cell Phone	6,000	6,000
813	PDU/FDC	100,000	100,000
814	Postage/Inter Agency Mail Delivery	4,300	4,300
815	Printing and Binding	3,500	3,500
816	Racks, Cabinets, Furniture & Building Changes	350,000	100,000
817	Reserve for Unplanned Expense	300,000	300,000
818	S390 SoftwarExcel	152,181	152,181
819	Security Services	25,000	25,000
820	Subscriptions & Publications	5,000	5,000
821	Telephone Service and Equipment	57,500	57,500
822	Training & Professional Development	90,000	90,000
823	Travel	27,500	27,500
825	VPN - Access Charge	9,268	9,268
827	SSL Certificates	20,000	20,000
829	Shredding	1,500	1,500
830	SAN/NAS Support Line	10,000	10,000
831	Disaster Recovery Rental (Springnet)	0	112,380

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FY13 Budget Detail continued

Item			
<u>Number</u>	<u>Description</u>	\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
832	Disaster Recovery Electric (Springnet)	0	30,000
833	RedHat/JBoss Support	6,000	6,000
834	Websense Pur/Mtc Recovery	0	5,000
	Total General Support Expense	\$1,471,219	\$1,363,649
Cost Adjustment			
900	Retained Earnings	0	0
	Total Cost Adjustment	\$0	\$0
Total Expense + Equipment:		\$18,021,064	\$18,256,273
Grand Total		\$24,814,483	\$25,337,449

Utilization Estimates (D)

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FY13 Utilization Estimate Assumptions

The majority of the agency utilization estimates for each of the service categories were based on the 3rd quarter FY12 usage. The 3rd quarter included January, 2012 through March, 2012 data. This was the most recent quarterly data available for completion of the FY13 CAP and is the basis of the FY13 utilization estimates for most agencies. Adjustments to the 3rd quarter data are explained below as well as further explanation of the year to date and current quarter utilization.

Year To Date Utilization: is based on 9 months of actual data (July-11 through Mar-12) annualized. The total utilization for the 9 months is divided by 9 (number of months of data) to equal an average month and then multiplied by 12, for a yearly total. The categories are then increased by the percentages below. Only the Department of Revenue's utilization was estimated using the Year-to-Date data because of its seasonal usage.

Current Quarter Utilization: is based on the most recent quarter (3rd) of actual data annualized. This includes January, February and March, 2012 data. The total utilization for the quarter is divided by 3, (number of months of data) to equal an average month and then multiplied by 12, for a yearly total. The categories are then increased by the percentages below. Agency's FY13 usage was based on the current quarter data except for the Department of Revenue.

Category of Service

Standard Adjustments

CICS Transactions	Straight Utilization, flat growth, no increase for FY13.
CPU	2% standard growth rate for all agencies for FY13 except MSHP (included at 25% straight util.).
Data Storage Management (DSM)	Straight Utilization, flat growth, no increase for FY11.
DB2	5% standard growth rate for all agencies for FY13 except MSHP (included at 25% straight util.).
Disk Storage (DASD)	Straight Utilization, flat growth, no increase for FY13 except MSHP (included at 25% straight util.).

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FY13 Utilization Estimate Assumptions Continued

Other Utilization Notes

- Dept. of Revenue is Year To Date Utilization (9 months of actual utilization annualized) as opposed to current quarter.
- MSHP's utilization in the following categories was lowered to 25% (three months) worth of utilization for FY13, CPU, DB2, CICS Transactions and DASD. All other utilization was included in the CAP at straight utilization, no adjustments were made to it.

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>CICS Transactions</u>	<u>All Fusion Service Units</u>	<u>CPU Service Units</u>
Senate	55,040	0	29,457,045
House of Representatives	137,720	0	95,376,042
Legislative Research	18,724	0	3,076,320
State Courts Administrator	1,358,724	0	927,450,352
Secretary of State	552,824	0	391,334,274
Auditor	69,820	0	60,905,975
Treasurer	80,144	0	19,135,178
Attorney General	265,368	0	107,841,250
OA/ITSD Systems & Programming	468,996	488,064,132	10,156,561,404
OA/Missouri Ethics Commission	6,968	0	1,576,594
OA/Deputy Commissioner	293,036	0	245,934,207
OA/Accounting	4,936,084	0	3,741,033,363
OA/Budget and Planning	152,996	0	173,891,427
OA/ITSD Production	10,828,512	25,008	63,458,068,330
OA/Design and Construction	265,292	0	95,194,558
OA/Personnel	10,703,700	0	2,593,130,457
OA/Purchasing	682,344	0	708,428,505
OA/General Services	2,421,596	0	1,193,258,967
OA/Facilities Management	985,492	0	499,587,394
OA/Administrative Hearing Commission	17,324	0	8,046,270
OA/OIT	0	0	0
Dept of Agriculture	507,824	0	187,850,446
Dept of Insurance	458,160	0	449,659,950
Dept of Conservation	692,312	0	405,042,063
Dept of Economic Development	1,929,188	0	3,386,740,171
Dept of Elementary & Secondary ED	2,330,980	0	1,283,502,083
Dept of Higher Education	173,924	0	225,521,485
Dept of Health & SS	25,596,448	0	20,865,630,191
Dept of Transportation	9,313,656	0	4,095,255,009
Dept of Labor & Industrial Relation	183,676,228	196,312	94,599,534,565
Dept of Mental Health	8,858,880	0	17,704,290,622
Dept of Natural Resources	3,181,240	0	7,579,724,909
Dept of Public Safety	2,587,712	0	1,452,247,768
Missouri State Highway Patrol	132,212,734	48,516,212	33,512,604,582
Kansas City Police Dept	74,512	0	3,198,332
ReJIS	90,316,784	0	5,705,661,390
Dept of Revenue	153,253,604	0	297,514,728,936
Lottery Commission	236,096	0	74,753,156
State Tax Commission	43,896	0	11,313,155
Highway Reciprocity Commission	0	0	0
Dept of Social Services	1,526,374,320	5,816,242,648	738,357,270,036
Dept of Corrections	9,120,100	0	2,992,205,520
Others	1,343,148	0	154,543,154
Agency Total :	2,186,582,450	6,353,044,312	1,315,070,565,435

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>CICS Transactions</u>	<u>All Fusion Service Units</u>	<u>CPU Service Units</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	0	0	0
DB2 Job Costs	0	0	0
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	0	0	0
Print Job Costs	0	0	0
VDI Job Costs	0	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	0	0	0
Data Domain Job Costs	0	0	0
Job Costs :	0	0	0
Grand Total :	2,186,582,450	6,353,044,312	1,315,070,565,435

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>Tivoli Storage Management</u>	<u>Data Storage Management</u>	<u>DB2 Service Units</u>
Senate	0	0	28,955,690
House of Representatives	0	0	106,545,226
Legislative Research	0	0	3,301,305
State Courts Administrator	0	3,097	905,894,384
Secretary of State	0	1,466	424,983,371
Auditor	0	98,836	38,968,222
Treasurer	791,212	553	19,878,638
Attorney General	0	0	119,839,348
OA/ITSD Systems & Programming	13,803,781	831,890	5,079,465,602
OA/Missouri Ethics Commission	0	0	1,796,546
OA/Deputy Commissioner	0	0	283,000,385
OA/Accounting	0	3,000	3,772,809,348
OA/Budget and Planning	363,018	0	170,171,203
OA/ITSD Production	943,099	7,598,899	31,872,115,880
OA/Design and Construction	0	1,284	81,453,506
OA/Personnel	0	813	2,176,829,743
OA/Purchasing	0	18	404,164,274
OA/General Services	0	24,249	1,089,287,669
OA/Facilities Management	1,073,714	2,747	450,043,373
OA/Administrative Hearing Commission	0	0	7,913,283
OA/OIT	0	0	0
Dept of Agriculture	0	0	221,852,383
Dept of Insurance	703,044	4,383	533,589,466
Dept of Conservation	0	0	325,386,718
Dept of Economic Development	9,259,337	273,057	771,943,259
Dept of Elementary & Secondary ED	6,408,390	1	1,334,525,766
Dept of Higher Education	2,341,979	0	192,672,980
Dept of Health & SS	0	623,140	15,663,496,968
Dept of Transportation	0	588	3,772,972,396
Dept of Labor & Industrial Relation	8,772,736	10,685,537	6,803,259,124
Dept of Mental Health	66,752,819	1,745,370	17,518,574,438
Dept of Natural Resources	0	620,022	7,076,978,832
Dept of Public Safety	3,020,476	1	1,657,789,447
Missouri State Highway Patrol	0	1,467,103	17,724,440,878
Kansas City Police Dept	0	0	0
ReJIS	119,889	0	0
Dept of Revenue	39,720,477	19,166,838	145,149,834,805
Lottery Commission	0	1	83,594,435
State Tax Commission	153,139	3	12,195,036
Highway Reciprocity Commission	0	2,777	0
Dept of Social Services	36,532,815	26,042,822	882,112,491,670
Dept of Corrections	3,890,048	0	3,345,301,940
Others	0	0	28,093,019
Agency Total :	194,649,973	69,198,493	1,151,366,410,556

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>Tivoli Storage Management</u>	<u>Data Storage Management</u>	<u>DB2 Service Units</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	0	826,479	0
CPU Job Costs	40,501,429	29,704,738	0
DB2 Job Costs	0	2,298,238	0
IDMS Job Costs	0	163,919	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	9,419,653	0	0
Print Job Costs	0	0	0
VDI Job Costs	17,943	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	0	0	0
Data Domain Job Costs	1,264,808	0	0
Job Costs :	51,203,833	32,993,374	0
Grand Total :	245,853,806	102,191,867	1,151,366,410,556

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>Direct Access Storage</u>	<u>AD User ID</u>	<u>AD Exchange Mailboxes</u>
Senate	0	36	0
House of Representatives	0	12	0
Legislative Research	0	12	0
State Courts Administrator	42	96	0
Secretary of State	175	1,680	0
Auditor	213	48	0
Treasurer	14	456	0
Attorney General	0	3,220	24
OA/ITSD Systems & Programming	231,329	2,548	3,984
OA/Missouri Ethics Commission	0	124	392
OA/Deputy Commissioner	0	12	712
OA/Accounting	195	0	492
OA/Budget and Planning	0	24	748
OA/ITSD Production	903,939	72	1,328
OA/Design and Construction	121	0	0
OA/Personnel	3,632	84	856
OA/Purchasing	12	60	784
OA/General Services	1,206	172	1,228
OA/Facilities Management	147	736	8,140
OA/Administrative Hearing Commission	0	36	372
OA/OIT	0	0	0
Dept of Agriculture	0	336	4,396
Dept of Insurance	23	344	8,388
Dept of Conservation	1	72	0
Dept of Economic Development	21,713	15,212	8,784
Dept of Elementary & Secondary ED	0	4,984	19,140
Dept of Higher Education	0	672	1,144
Dept of Health & SS	10,269	1,736	28,932
Dept of Transportation	196	228	0
Dept of Labor & Industrial Relation	323,231	1,796	14,220
Dept of Mental Health	45,987	286,392	78,520
Dept of Natural Resources	7,444	16,316	24,072
Dept of Public Safety	1	1,772	14,528
Missouri State Highway Patrol	13,888	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	1,139,968	5,808	21,071
Lottery Commission	0	0	0
State Tax Commission	0	108	676
Highway Reciprocity Commission	611	0	0
Dept of Social Services	4,366,234	13,964	106,172
Dept of Corrections	0	7,556	160,704
Others	0	24	156
Agency Total :	7,070,593	366,748	509,963

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>Direct Access Storage</u>	<u>AD User ID</u>	<u>AD Exchange Mailboxes</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	26,249	0	0
CPU Job Costs	561,981	84	1,016
DB2 Job Costs	289,596	0	0
IDMS Job Costs	41,494	0	0
IEF/COOLGen Job Costs	1	0	0
DSM Job Costs	54,750	0	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	0	0	0
Print Job Costs	0	0	0
VDI Job Costs	0	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	0	0	0
Data Domain Job Costs	0	0	0
Job Costs :	974,072	84	1,016
Grand Total :	8,044,665	366,832	510,979

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>IDMS Run Units</u>	<u>Print (Lines)</u>	<u>Print (Laser)</u>
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	139,948	0	272
Secretary of State	544	0	0
Auditor	0	0	648
Treasurer	0	0	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	17,872	0	19,859
OA/Missouri Ethics Commission	0	0	0
OA/Deputy Commissioner	0	0	0
OA/Accounting	0	176,496	35,596
OA/Budget and Planning	0	0	5,400
OA/ITSD Production	0	0	724,092
OA/Design and Construction	0	0	0
OA/Personnel	8,788	0	11,644
OA/Purchasing	0	0	5,208
OA/General Services	4,032	74,340	83,716
OA/Facilities Management	0	0	19,136
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	0	0
Dept of Agriculture	0	0	0
Dept of Insurance	7,320	0	0
Dept of Conservation	105,072	0	300
Dept of Economic Development	37,024	0	288
Dept of Elementary & Secondary ED	0	0	0
Dept of Higher Education	0	0	88
Dept of Health & SS	14,461,084	179,664	197,516
Dept of Transportation	23,096	0	128
Dept of Labor & Industrial Relation	632,572	6,720	99,660
Dept of Mental Health	79,112	0	144
Dept of Natural Resources	0	0	3,232
Dept of Public Safety	0	0	0
Missouri State Highway Patrol	14,015,532	0	40,112
Kansas City Police Dept	4,096	0	0
ReJIS	15,218,960	0	0
Dept of Revenue	150,587,439	1,493,511	13,439,811
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	162,393,644	830,000	39,388,523
Dept of Corrections	0	0	0
Others	282,024	0	0
Agency Total :	358,018,159	2,760,731	54,075,373

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>IDMS Run Units</u>	<u>Print (Lines)</u>	<u>Print (Laser)</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	256
CPU Job Costs	0	14,960	185,233
DB2 Job Costs	0	0	244
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	1,248
VM Job Costs	0	0	0
AD-Exchange Job Costs	0	0	0
Print Job Costs	0	0	0
VDI Job Costs	0	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	0	0	0
Data Domain Job Costs	0	0	0
Job Costs :	0	14,960	186,981
Grand Total :	358,018,159	2,775,691	54,262,354

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>VM Images</u>	<u>Server Support</u>	<u>SAN Storage</u>
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	0	0	0
Auditor	0	0	0
Treasurer	180	0	46,143
Attorney General	0	0	0
OA/ITSD Systems & Programming	640	12	92,944
OA/Missouri Ethics Commission	0	0	0
OA/Deputy Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	12	0	5,040
OA/ITSD Production	312	0	49,760
OA/Design and Construction	0	0	0
OA/Personnel	0	0	0
OA/Purchasing	0	0	0
OA/General Services	0	0	0
OA/Facilities Management	132	0	27,718
OA/Administrative Hearing Commission	24	0	3,049
OA/OIT	0	0	0
Dept of Agriculture	60	0	20,700
Dept of Insurance	84	36	7,125
Dept of Conservation	0	0	0
Dept of Economic Development	280	12	85,580
Dept of Elementary & Secondary ED	596	0	171,422
Dept of Higher Education	240	0	25,400
Dept of Health & SS	404	0	92,630
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	640	44	83,994
Dept of Mental Health	1,560	280	583,533
Dept of Natural Resources	652	0	329,804
Dept of Public Safety	152	12	23,307
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	959	72	254,803
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	544	148	59,618
Dept of Corrections	240	0	33,180
Others	0	0	0
Agency Total :	7,711	616	1,995,751

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>VM Images</u>	<u>Server Support</u>	<u>SAN Storage</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	860	232	509,509
DB2 Job Costs	0	0	0
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	524,933
AD-Exchange Job Costs	1,148	652	909,408
Print Job Costs	68	0	3,540
VDI Job Costs	296	600	11,080
Server Support Job Costs	288	0	0
TSM Job Costs	24	132	46,500
Data Domain Job Costs	104	12	5,240
Job Costs :	2,788	1,628	2,010,210
Grand Total :	10,499	2,244	4,005,961

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>WAS Image</u>	<u>VRanger - Data Domain</u>	<u>Remote Server Support</u>
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	0	0	0
Auditor	0	0	0
Treasurer	0	2,705,062	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	0	29,752,614	0
OA/Missouri Ethics Commission	0	0	0
OA/Deputy Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	0	21,192	624
OA/Design and Construction	0	0	0
OA/Personnel	0	0	0
OA/Purchasing	0	0	0
OA/General Services	0	0	0
OA/Facilities Management	0	12,445,202	0
OA/Administrative Hearing Commission	0	18,994	0
OA/OIT	0	0	0
Dept of Agriculture	0	1,994,726	0
Dept of Insurance	0	2,444,053	0
Dept of Conservation	0	0	0
Dept of Economic Development	0	4,002,415	0
Dept of Elementary & Secondary ED	0	60,925,823	588
Dept of Higher Education	48	3,592,493	0
Dept of Health & SS	0	177,478,296	240
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	0	16,095,074	204
Dept of Mental Health	0	53,035,146	1,620
Dept of Natural Resources	72	16,960,398	288
Dept of Public Safety	0	2,597,494	204
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	72	35,063,621	84
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	0	26,128,987	2,400
Dept of Corrections	48	1,284,918	1,200
Others	0	0	0
Agency Total :	240	446,546,509	7,452

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>WAS Image</u>	<u>VRanger - Data Domain</u>	<u>Remote Server Support</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	0	67,216,272	0
DB2 Job Costs	0	0	0
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	0	144,759,083	0
Print Job Costs	0	54,272	0
VDI Job Costs	0	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	0	0	0
Data Domain Job Costs	0	0	0
Job Costs :	0	212,029,626	0
Grand Total :	240	658,576,135	7,452

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FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>VDI</u>
Senate	0
House of Representatives	0
Legislative Research	0
State Courts Administrator	0
Secretary of State	0
Auditor	0
Treasurer	0
Attorney General	0
OA/TTSD Systems & Programming	0
OA/Missouri Ethics Commission	0
OA/Deputy Commissioner	0
OA/Accounting	0
OA/Budget and Planning	0
OA/TTSD Production	0
OA/Design and Construction	0
OA/Personnel	0
OA/Purchasing	0
OA/General Services	0
OA/Facilities Management	0
OA/Administrative Hearing Commission	0
OA/OIT	0
Dept of Agriculture	0
Dept of Insurance	0
Dept of Conservation	0
Dept of Economic Development	360
Dept of Elementary & Secondary ED	240
Dept of Higher Education	120
Dept of Health & SS	1,200
Dept of Transportation	0
Dept of Labor & Industrial Relation	1,200
Dept of Mental Health	18,000
Dept of Natural Resources	2,400
Dept of Public Safety	240
Missouri State Highway Patrol	0
Kansas City Police Dept	0
ReJIS	0
Dept of Revenue	240
Lottery Commission	0
State Tax Commission	0
Highway Reciprocity Commission	0
Dept of Social Services	5,040
Dept of Corrections	0
Others	0
Agency Total :	29,040

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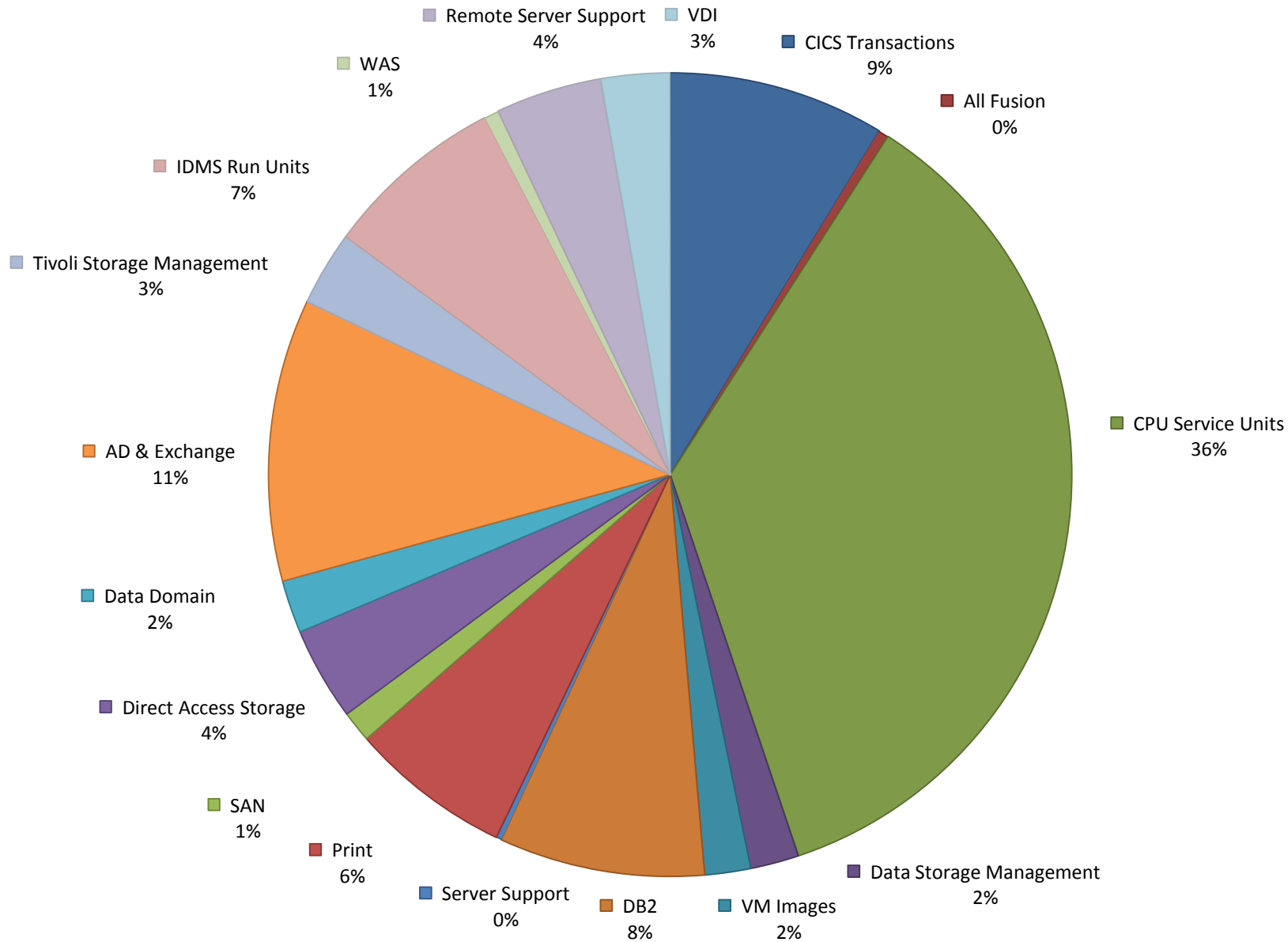


FY13 Utilization Estimates by Customer

<u>Agency</u>	<u>VDI</u>
FOCUS Job Costs	0
CICS Job Costs	0
CPU Job Costs	960
DB2 Job Costs	0
IDMS Job Costs	0
IEF/COOLGen Job Costs	0
DSM Job Costs	0
VM Job Costs	0
AD-Exchange Job Costs	0
Print Job Costs	0
VDI Job Costs	0
Server Support Job Costs	0
TSM Job Costs	0
Data Domain Job Costs	0
Job Costs :	960
Grand Total :	30,000

Billing Rate Derivation (E)

FY13 State Data Center Percent of Total Cost per Rate Category



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**FY13 Billing Rate Derivation
State Data Center**

Category #1

Unit of Service: Lines/Feet Printed
Estimated Utilization: 54,295,462

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
2	Computer Operations Personnel	203,126	204,194
3	Technical Support Personnel	0	0
4	Fringe Benefits	83,282	83,720
	Total Personnel	\$286,407	\$287,914
116	InfoPrint 4000 Upgrade	300,000	300,000
	Total Hardware Lease	\$300,000	\$300,000
222	Print Unwinder/Job Sep/CTS	85,825	85,825
223	Printer Usage	181,000	181,000
224	Printer-Impact	1,500	1,500
225	Printer-Laser	86,967	86,967
	Total Hardware Maintenance	\$355,292	\$355,292
311	AFP Toolbox (Toolkit)	3,540	3,540
328	OGL/370 V1	5,220	5,220
330	Page Print Format Aid/370 V1	3,660	3,660
332	PSF/MVS	20,748	20,748
	Total Software Lease	\$33,168	\$33,168
704	Paper and Forms	285,000	285,000
705	Paper Storage and Transport Transfer	10,750	10,750
706	Printer Supplies	195,000	195,000
	Total Expendable Supplies	\$490,750	\$490,750
829	Shredding	1,500	1,500
	Total General Support Expense	\$1,500	\$1,500

State Data Center Cost Allocation Plan Fiscal Year 2013



Print Rate Derivation continued

Item Number	Description	\$ FY12 CAP	\$ FY13 CAP
Total Expense + Equipment:		\$1,180,710	\$1,180,710
Total Personnel and Expense + Equipment:		\$1,467,117	\$1,468,624
Indirect Costs Allocated:		\$220,580	\$176,718
Job Costs:			
	SAN		\$566
	VM		\$4,088
	VRanger-Data Domain		\$66
Total JobCosts:		\$0	\$4,720
Total Costs:		\$1,687,697	\$1,650,063

Rate Calculation Laser Feet Printed:

Total Costs/Utilization

$$\frac{\$1,650,063}{54,295,462} = \$0.03039 \text{ per foot}$$

Rate Calculation Duplex Printed:

Laser Rate x .80

$$\$0.03039 \times .80 = \$0.02431 \text{ per foot}$$

Rate Calculation Impact:

Laser Rate / 83.83 * 1,000

$$\$0.03039 / 83.8383 * 1,000 = \$0.36249 \text{ per 1,000 lines}$$

**State Data Center
Cost Allocation Plan
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**FY13 Billing Rate Derivation
State Data Center**

Category #2

Unit of Service: CPU Service Units
Estimated Utilization: 1,315,070,565,435

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
2	Computer Operations Personnel	679,020	632,030
3	Technical Support Personnel	528,437	534,219
4	Fringe Benefits	495,057	478,162
	Total Personnel	\$1,702,515	\$1,644,412
103	CPU Lease	890,319	0
104	CPU Annual Growth Upgrades	642,800	642,800
108	Disaster Recovery CPU (Springfield Site)	242,823	242,823
	Total Hardware Lease	\$1,775,942	\$885,623
204	CPU Maintenance	398,839	398,839
214	External Coupling Facility	21,857	21,857
227	Remote Communications Controller	9,724	0
230	Service Processor	723	723
241	Console Support Controller	1,290	1,290
	Total Hardware Maintenance	\$432,433	\$422,709
301	ACF/NCP	10,380	10,380
302	ACF/SSP	19,080	19,080
304	ASF V3 Base plus Document Writing	23,232	23,232
305	BMC Mainview	71,600	71,600
308	COBOL for OS/390 & VM Alt	132,828	132,828
309	MacKinney Software	8,093	8,093
310	DCF Base	27,960	27,960
319	IBM Websphere App Svr V5 (WAS for z/OS)	33,264	63,771
321	Interactive Output Facility (IOF)	6,321	6,321
329	OS/390 Version 2	2,044,945	2,044,945
331	PL/1 Alternate Function	120,396	120,396
	Total Software Lease	\$2,498,099	\$2,528,606
404	CA Interest W/XA-ESA-Batch	74,695	76,240
406	CA Librarian	168,147	171,626
408	CA Restart/Recover (CA11)	54,254	55,377

**State Data Center
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CPU Rate Derivation continued

Item Number	Description	\$ FY12 CAP	\$ FY13 CAP
410	CA Scheduling Package (CA7)	160,006	163,317
413	IBM Tivoli Omegamon DE V3	45,813	45,813
414	IBM Tivoli Omegamon XE CICS V3	45,813	45,813
415	CL/Supersession for z/OS	48,104	48,104
417	IBM Tivoli Omegamon XE z/OS V2	91,626	91,626
418	Catalog/ Disk / HSM Audit and Recovery Utilities	21,820	21,820
420	Allen System Group Job Scan/Docu Text	39,780	43,859
421	Document Management Systems (MOBIUS)	84,937	87,486
422	Dumpmaster MVS	99,900	104,895
423	Group 1 Software MailStream Plus	9,862	10,766
424	Group 1 Software Zip+4 (Code-1 Plus)	22,617	24,690
425	IBI FOCUS	575,000	0
429	Insync MVS	85,539	89,817
430	IPSwitch Renewal	5,000	6,500
431	Application Time Facility (Tic Toc)	6,916	7,608
433	LOTUS Domino V6	13,886	13,886
434	Connect:Direct	11,000	12,000
435	Merrill Consultants MXG	3,000	3,000
436	MVS Quick Reference	34,437	37,192
443	SAS Base	153,050	153,050
444	SAS/ STAT	96,780	96,780
445	SAS/ACCESS	96,780	96,780
447	SAS/ETS	48,390	48,390
452	SI SyncSort	18,688	18,688
454	SPC Systems - COBOL Report Writer Precompiler	2,849	2,849
463	Vanguard Security Reporter	47,886	51,507
466	BMC Event Manager	15,000	15,000
472	SDI TN3270 Emulation	13,139	13,500
475	GSF STEPLIB/LLIBEF	3,000	3,000
Total Software Maintenance		\$2,197,714	\$1,660,979
603	Software Upgrade	0	0
Total Software Purchase		\$0	\$0
703	Network Supplies	5,000	5,000
Total Expendable Supplies		\$5,000	\$5,000

**State Data Center
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CPU Rate Derivation continued

Item			
<u>Number</u>	<u>Description</u>	\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
802	Consulting Service	0	0
803	Contracted Personnel	0	0
818	S390 SoftwarExcel	152,181	152,181
831	Disaster Recovery Rental (Springnet)	0	112,380
832	Disaster Recovery Electric (Springnet)	0	30,000
Total General Support Expense		\$152,181	\$294,561
Total Expense + Equipment:		\$7,061,369	\$5,797,478
Total Personnel and Expense + Equipment:		\$8,763,884	\$7,441,890
Indirect Costs Allocated:		\$1,317,645	\$895,477
Job Costs:			
	Lines Printed		\$5
	Data Storage Management		\$212,797
	Laser Feet Printed		\$5,629
	Disk Storage		\$75,287
	Tivoli Storage Management		\$157,839
	AD		\$66
	AD - Exchange		\$5,156
	SAN		\$81,480
	Server Support		\$21,178
	VM		\$51,706
	WAS		\$0
	Data Domain		\$81,173
	VDI		\$23,286
Total JobCosts:		\$1,587,915	\$715,602
Total Costs:		\$11,669,443	\$9,052,970

Rate Calculation:

**State Data Center
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CPU Rate Derivation continued

Item				
<u>Number</u>	<u>Description</u>		\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
Total Costs/Utilization				
	<u>\$9,052,970</u>	x 1,000 =	\$0.00688	per 1,000 Service Units
	1,315,070,565,435			

**State Data Center
Cost Allocation Plan
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**FY13 Billing Rate Derivation
State Data Center**

Category #3

Unit of Service: CICS Transactions
Estimated Utilization: 2,186,582,450

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
2	Computer Operations Personnel	58,036	58,341
3	Technical Support Personnel	176,146	178,073
4	Fringe Benefits	96,014	96,930
	Total Personnel	\$330,196	\$333,344
306	CICS Transaction Gateway	48,585	48,585
307	CICS/TS V5	1,093,296	1,093,296
324	WebSphere MQ for Z/OS	349,596	349,596
333	SDF II MVS	27,300	27,300
	Total Software Lease	\$1,518,777	\$1,518,777
405	CA Interest W/XA-ESA-CICS	103,147	105,282
	Total Software Maintenance	\$103,147	\$105,282
802	Consulting Service	0	0
803	Contracted Personnel	0	0
	Total General Support Expense	\$0	\$0

State Data Center Cost Allocation Plan Fiscal Year 2013



CICS Rate Derivation continued

<u>Item</u>			
<u>Number</u>	<u>Description</u>	\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
Total Expense + Equipment:		\$1,621,924	\$1,624,059
Total Personnel and Expense + Equipment:		\$1,952,120	\$1,957,403
Indirect Costs Allocated:		\$293,500	\$235,533
Job Costs:			
	Lines Printed		\$0
	Data Storage Management		\$5,921
	Laser Feet Printed		\$8
	Disk Storage/Gigabyte Day		\$3,517
	AD User ID		\$0
	AD Exchange Mailboxes		\$0
	Data Domain		\$0
	WAS		\$0
Total Job Costs:		\$8,766	\$9,445
Total Costs:		\$2,254,386	\$2,202,381

Rate Calculation:

Total Costs/Utilization

$$\frac{\$2,202,381}{2,186,582,450} = \$0.00101 \text{ per Transaction}$$

**State Data Center
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**FY13 Billing Rate Derivation
State Data Center**

Category #5

Unit of Service: Data Storage Management/Gigabyte Day
Estimated Utilization: 102,191,867

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
2	Computer Operations Personnel	135,417	136,130
3	Technical Support Personnel	146,788	148,394
4	Fringe Benefits	115,704	116,655
	Total Personnel	\$397,909	\$401,179
111	High Density Tape Drive (VTSM) Growth	50,000	50,000
114	VSM Upgrade	35,000	0
	Total Hardware Lease	\$85,000	\$50,000
233	GTX Qualifier Maintenance	0	2,000
234	Tape Unit	41,864	41,864
237	Virtual Tape	0	0
	Total Hardware Maintenance	\$41,864	\$43,864
411	CA TMS (CA1)	59,741	60,977
418	Catalog/ Disk / HSM Audit and Recovery Utilities	5,405	5,405
460	Tivoli Storage Management	25,441	25,441
	Total Software Maintenance	\$90,587	\$91,823
701	Magnetic Tapes & Supplies	60,000	60,000
	Total Expendable Supplies	\$60,000	\$60,000
900	Retained Earnings	0	0
	Total Cost Adjustment	\$0	\$0

State Data Center Cost Allocation Plan Fiscal Year 2013



DSM Rate Derivation continued

<u>Item</u>			
<u>Number</u>	<u>Description</u>	\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
Total Expense + Equipment:		\$277,451	\$245,687
Total Personnel and Expense + Equipment:		\$675,360	\$646,866
Indirect Costs Allocated:		\$101,540	\$77,837
Job Costs:			
	Lines Printed		\$0
	Data Storage Management		\$0
	Laser Feet Printed		\$38
	Disk Storage/Gigabyte Day		\$7,335
Total Job Costs:		\$6,491	\$7,373
Total Costs:		\$783,392	\$732,075

Rate Calculation:

Total Costs/Utilization

$$\frac{\$732,075}{102,191,867} = \$0.00716 \text{ per Gigabyte per day}$$

**State Data Center
Cost Allocation Plan
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**FY13 Billing Rate Derivation
State Data Center**

Category #7

Unit of Service: Mailboxes
 Estimated Utilization: 510,979 AD and Exchange Mailboxes
 366,832 AD User IDs

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	645,868	652,935
4	Fringe Benefits	264,806	267,703
	Total Personnel	\$910,674	\$920,638
242	Servers - Maintenance Renewals	35,400	35,400
	Total Hardware Maintenance	\$35,400	\$35,400
343	Antivirus For Exchange	25,000	25,000
	Total Software Lease	\$25,000	\$25,000
437	Microsoft Premiere Support	31,000	31,000
460	Tivoli Storage Management	23,845	23,845
474	Server Software - Maintenance Renewals	235,202	235,202
	Total Software Maintenance	\$290,047	\$290,047
504	SAN - New/Replacement Purchases	165,876	165,876
505	Deduplication/Replication Purchase	35,210	35,210
510	Servers - New/Replacement Purchases	0	0
511	TSM Hardware Purchase	528,663	528,663
514	VM Hardware Purchase	75,430	75,430
	Total Hardware Purchase	\$805,179	\$805,179
605	Fax Services	62,000	62,000
	Total Software Purchase	\$62,000	\$62,000
Total Expense + Equipment:		\$1,217,626	\$1,217,626
Total Personnel and Expense + Equipment:		\$2,128,300	\$2,138,264
Indirect Costs Allocated:		\$319,989	\$257,296
Job Costs:			
	SAN		\$145,431
	Server Support		\$59,518
	VM		\$69,021
	VRanger-Data Domain		\$174,818

State Data Center Cost Allocation Plan Fiscal Year 2013



AD - Exchange Rate Derivation continued

Item Number	Description	\$ FY12 CAP	\$ FY13 CAP
Total JobCosts:		\$0	\$485,498
Total Costs:		\$2,448,288	\$2,881,058

Rate Calculation AD User ID:

10% Total Costs/Utilization

$$\frac{\$288,106}{366,832} = \$0.78539 \text{ Monthly AD User ID Rate}$$

Rate Calculation AD - Exchange Mailbox (Includes AD User ID Rate):

90% Total Costs/Utilization

$$\frac{\$2,592,952}{510,979} = \$5.07448 \text{ Monthly AD - Exchange Mailbox Rate}$$

**State Data Center
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**FY13 Billing Rate Derivation
State Data Center**

Category #8

Unit of Service: Direct Access Storage Gigabyte/Day
Estimated Utilization: 8,044,665

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
2	Computer Operations Personnel	38,691	38,894
3	Technical Support Personnel	58,715	59,358
4	Fringe Benefits	39,936	40,283
Total Personnel		\$137,342	\$138,535
105	DASD Lease	0	0
106	DASD Growth	330,400	330,400
Total Hardware Lease		\$330,400	\$330,400
205	DASD Maintenance	50,099	53,905
236	FICON Directors	40,000	51,158
Total Hardware Maintenance		\$90,099	\$105,063
303	Softek TDMF Replicator for zOS	21,300	22,365
313	DSF/DSS/HSM OS/390 V2	140,453	140,453
Total Software Lease		\$161,753	\$162,818
426	IBM Storage Volume Controller (SVC)	0	115,000
427	IBM TotalStorage Productivity Center (TPC)	0	110,150
Total Software Maintenance		\$0	\$225,150
Total Expense + Equipment:		\$582,252	\$823,431
Total Personnel and Expense + Equipment:		\$719,594	\$961,966
Indirect Costs Allocated:		\$108,191	\$115,753
Total Costs:		\$827,785	\$1,077,719

Rate Calculation:

Total Costs/Utilization

$\frac{\$1,077,719}{8,044,665}$

= \$0.13397 per Gigabyte per day

**State Data Center
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**FY13 Billing Rate Derivation
State Data Center**

Category #10

Unit of Service: IDMS Run Units
Estimated Utilization: 358,018,159

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
2	Computer Operations Personnel	38,691	38,894
3	Technical Support Personnel	73,394	74,197
4	Fringe Benefits	45,955	46,367
	Total Personnel	\$158,039	\$159,459
412	CA UNIPAK	1,455,968	1,486,093
	Total Software Maintenance	\$1,455,968	\$1,486,093
	Total Expense + Equipment:	\$1,455,968	\$1,486,093
	Total Personnel and Expense + Equipment:	\$1,614,007	\$1,645,552
	Indirect Costs Allocated:	\$242,665	\$198,008
	Job Costs:		
	Lines Printed		\$0
	Data Storage Management		\$1,174
	Laser Feet Printed		\$0
	Disk Storage/Gigabyte Day		\$5,559
	Total JobCosts:	\$6,895	\$6,733
	Total Costs:	\$1,863,568	\$1,850,293

Rate Calculation:

Total Costs/Utilization

$$\frac{\$1,850,293}{358,018,159} = \$0.00517 \text{ per Run Unit}$$

State Data Center Cost Allocation Plan Fiscal Year 2013



FY13 Billing Rate Derivation State Data Center

Category #11

Unit of Service: DB2 Service Units
Estimated Utilization: 1,151,366,410,556

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	234,861	237,431
4	Fringe Benefits	96,293	97,347
Total Personnel		\$331,154	\$334,777
338	DB2 for Z/OS V9	917,832	947,832
341	UDB - DB2 Utilities Suite	30,261	30,261
Total Software Lease		\$948,093	\$978,093
416	IBM Tivoli Omegamon XE DB2 V4	96,512	96,512
419	DB2 Connect	37,247	37,247
432	DB2 LUW	7,894	7,894
440	Platinum DB2 Tools	338,042	345,036
441	RevealNet Reveal for DB2	2,760	2,760
464	DB2 Buffer Pool Tool	19,425	19,425
Total Software Maintenance		\$501,880	\$508,874
802	Consulting Service	0	0
Total General Support Expense		\$0	\$0
Total Expense + Equipment:		\$1,449,973	\$1,486,967
Total Personnel and Expense + Equipment:		\$1,781,127	\$1,821,744
Indirect Costs Allocated:		\$267,791	\$219,209
Job Costs:			
	Data Storage Management		\$16,464
	Laser Feet Printed		\$7
	Disk Storage/Gigabyte Day		\$38,796
Total JobCosts:		\$27,181	\$55,268
Total Costs:		\$2,076,100	\$2,096,221

Rate Calculation:

Total Costs/Utilization

$$\frac{\$2,096,221}{1,151,366,410,556} \times 1,000 = \$0.00182 \text{ per 1,000 Service Units}$$

**State Data Center
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**FY13 Billing Rate Derivation
State Data Center**

Category #14

Unit of Service: All Fusion CPU Service Units
Estimated Utilization: 6,353,044,312

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	44,036	44,518
4	Fringe Benefits	18,055	18,252
	Total Personnel	\$62,091	\$62,771
403	CA All Fusion	29,939	29,939
	Total Software Maintenance	\$29,939	\$29,939
	Total Expense + Equipment:	\$29,939	\$29,939
	Total Personnel and Expense + Equipment:	\$92,030	\$92,710
	Indirect Costs Allocated:	\$13,837	\$11,156
	Job Costs:		
	Lines Printed		\$0
	Data Storage Management		\$0
	Laser Feet Printed		\$0
	Disk Storage/Gigabyte Day		\$0
	Total JobCosts:	\$0	\$0
	Total Costs:	\$105,867	\$103,866

Rate Calculation:

Total Costs/Utilization

$$\frac{\$103,866}{6,353,044,312} \times 1,000 = \$0.01635 \text{ per 1,000 Service Units}$$

**State Data Center
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**FY13 Billing Rate Derivation
State Data Center**

Category #15

Unit of Service: VM
Estimated Utilization: 10,499

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	146,788	148,394
4	Fringe Benefits	60,183	60,842
Total Personnel		\$206,971	\$209,236
231	SAN Server and Storage Maintenance	52,000	0
238	VM Server and Storage Maintenance	0	40,558
Total Hardware Maintenance		\$52,000	\$40,558
335	Red Hat Enterprise\Network Satellite	0	18,689
Total Software Lease		\$0	\$18,689
514	VM Hardware Purchase	160,000	160,000
Total Hardware Purchase		\$160,000	\$160,000
607	VM Software Purchase	60,000	60,000
Total Software Purchase		\$60,000	\$60,000
Total Expense + Equipment:		\$272,000	\$279,247
Total Personnel and Expense + Equipment:		\$478,971	\$488,483
Indirect Costs Allocated:		\$72,013	\$58,779
Job Costs:			
	SAN Storage		\$83,947
Total Job Costs:		\$0	\$83,947
Total Costs:		\$550,984	\$631,208

Rate Calculation:

Total Costs/Utilization

$$\frac{\$631,208}{10,499} = \$60.12272 \text{ per Image per Month}$$

An Additional charger of \$5 per Month extra for every one (1) gb of memory over our standard Configuration.

**State Data Center
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VM Rate Derivation continued

<u>Item</u>				
<u>Number</u>	<u>Description</u>	\$	<u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
	An Additional charger of \$11 per Month extra for every one (1) additional virtual CPU over 3 vCPUs.			

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**FY13 Billing Rate Derivation
State Data Center**

Category #16

Unit of Service: SAN
Estimated Utilization: 4,005,961

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	58,715	59,358
4	Fringe Benefits	24,073	24,337
	Total Personnel	\$82,789	\$83,694
113	SAN DASD	170,472	85,236
	Total Hardware Lease	\$170,472	\$85,236
231	SAN Server and Storage Maintenance	93,493	252,891
	Total Hardware Maintenance	\$93,493	\$252,891
477	SAN Software	150,000	150,000
	Total Software Maintenance	\$150,000	\$150,000
Total Expense + Equipment:		\$413,965	\$488,127
Total Personnel and Expense + Equipment:		\$496,754	\$571,821
Indirect Costs Allocated:		\$74,687	\$68,807
Total Costs:		\$571,440	\$640,628

Rate Calculation:

Total Costs/Utilization

$$\frac{\$640,628}{4,005,961} = \$0.15992 \text{ per GB per Month}$$

**State Data Center
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**FY13 Billing Rate Derivation
State Data Center**

Category #17

Unit of Service: Server Support
Estimated Utilization: 2,244

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	117,431	118,715
4	Fringe Benefits	48,147	48,673
Total Personnel		\$165,577	\$167,389
Total Expense + Equipment:		\$0	\$0
Total Personnel and Expense + Equipment:		\$165,577	\$167,389
Indirect Costs Allocated:		\$24,894	\$20,142
Job Costs:			
	VM		\$17,315
Total Job Costs:		\$0	\$17,315
Total Costs:		\$190,471	\$204,846

Rate Calculation:

Total Costs/Utilization

$$\frac{\$204,846}{2,244} = \$91.29 \text{ per Server per Month}$$

**State Data Center
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**FY13 Billing Rate Derivation
State Data Center**

Category #19

Unit of Service: Tivoli Storage Management
Estimated Utilization: 245,853,806

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
2	Computer Operations Personnel	9,673	9,724
3	Technical Support Personnel	88,073	89,037
4	Fringe Benefits	40,076	40,492
	Total Personnel	\$137,821	\$139,252
231	SAN Server and Storage Maintenance	71,000	0
232	TSM Server and Storage Maintenance	0	91,172
	Total Hardware Maintenance	\$71,000	\$91,172
460	Tivoli Storage Management	157,559	157,559
	Total Software Maintenance	\$157,559	\$157,559
511	TSM Hardware Purchase	413,549	413,549
	Total Hardware Purchase	\$413,549	\$413,549
606	TSM Software Purchase	0	0
	Total Software Purchase	\$0	\$0
802	Consulting Service	35,000	35,000
	Total General Support Expense	\$35,000	\$35,000
Total Expense + Equipment:		\$677,108	\$697,280
Total Personnel and Expense + Equipment:		\$814,929	\$836,532
Indirect Costs Allocated:		\$122,524	\$100,659
Total Costs:		\$937,453	\$958,120

Rate Calculation:

Total Costs/Utilization

$$\frac{\$958,120}{245,853,806} = \$0.00390 \text{ per Gigabyte per day}$$

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**FY13 Billing Rate Derivation
State Data Center**

Category #20

Indirect Cost Components:

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
1	Administrative Personnel	480,425	501,574
2	Computer Operations Personnel	48,363	48,618
3	Technical Support Personnel	733,941	519,380
4	Fringe Benefits	517,719	438,525
Total Personnel		\$1,780,447	\$1,508,097
239	Batteries/UPS Maintenance	42,000	42,450
240	Generator Maintenance	7,741	7,741
Total Hardware Maintenance		\$49,741	\$50,191
401	Axceler ControlPoint	14,500	14,500
428	Tivoli WAS\ND	0	0
460	Tivoli Storage Management	4,000	4,000
468	SQL	70,000	70,000
476	What's Up	4,000	4,000
Total Software Maintenance		\$92,500	\$92,500
509	Tools for Staff	38,000	38,000
Total Hardware Purchase		\$38,000	\$38,000
803	Contracted Personnel	0	0
804	Disaster Recovery	4,950	0
805	IBM Global Network(Advantis)	10,000	10,000
806	Internet Access	1,500	1,500
807	IBM Server Support Line	45,000	45,000
808	MAN Connection/ANS Support/RLS Charges	112,800	112,800
810	Open Systems DR	81,720	81,720
811	Office Supplies, Equipment and Maintenance	12,500	12,500
812	Cell Phone	6,000	6,000
813	PDU/FDC	100,000	100,000
814	Postage/Inter Agency Mail Delivery	4,300	4,300
815	Printing and Binding	3,500	3,500
816	Racks, Cabinets, Furniture & Building Changes	350,000	100,000
817	Reserve for Unplanned Expense	300,000	300,000
819	Security Services	25,000	25,000
820	Subscriptions & Publications	5,000	5,000
821	Telephone Service and Equipment	57,500	57,500
822	Training & Professional Development	90,000	90,000
823	Travel	27,500	27,500
825	VPN - Access Charge	9,268	9,268

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



Indirect Costs continued

Item			
<u>Number</u>	<u>Description</u>	\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
827	SSL Certificates	20,000	20,000
830	SAN/NAS Support Line	10,000	10,000
833	RedHat/JBoss Support	6,000	6,000
834	Websense Pur/Mtc Recovery	0	5,000
Total General Support Expense		\$1,282,538	\$1,032,588
Total Expense + Equipment:		\$1,462,779	\$1,213,279
Total Personnel and Expense + Equipment:		\$3,243,226	\$2,721,376

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**FY13 Billing Rate Derivation
State Data Center**

Category #21

Unit of Service: WAS
Estimated Utilization: 240

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	58,715	59,358
4	Fringe Benefits	24,073	24,337
	Total Personnel	\$82,789	\$83,694
428	Tivoli WAS\ND	48,000	48,000
	Total Software Maintenance	\$48,000	\$48,000
Total Expense + Equipment:		\$48,000	\$48,000
Total Personnel and Expense + Equipment:		\$130,789	\$131,694
Indirect Costs Allocated:		\$19,664	\$15,847
Total Costs:		\$150,452	\$147,541

Rate Calculation:

Total Costs/Utilization

$$\frac{\$147,541}{240} = \$614.75440 \text{ per Image per Month}$$

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**FY13 Billing Rate Derivation
State Data Center**

Category #25

Unit of Service: VRanger - Data Domain
Estimated Utilization: 658,576,135

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	14,679	74,197
4	Fringe Benefits	6,018	30,421
	Total Personnel	\$20,697	\$104,618
206	Data Domain Server and Storage Maintenance	0	141,655
231	SAN Server and Storage Maintenance	70,000	0
	Total Hardware Maintenance	\$70,000	\$141,655
478	Vranger Software Maintenance	0	23,925
	Total Software Maintenance	\$0	\$23,925
505	Deduplication/Replication Purchase	200,000	200,000
515	Data Domain Hardware Upgrade	0	219,000
	Total Hardware Purchase	\$200,000	\$419,000
608	Vranger License Enhancement	0	9,000
	Total Software Purchase	\$0	\$9,000
Total Expense + Equipment:		\$270,000	\$593,580
Total Personnel and Expense + Equipment:		\$290,697	\$698,198
Indirect Costs Allocated:		\$43,706	\$84,014
Total Costs:		\$334,403	\$795,327

Rate Calculation:

Total Costs/Utilization

$$\frac{\$795,327}{658,576,135} = \$0.00121 \text{ per Gigabyte per day}$$

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**FY13 Billing Rate Derivation
State Data Center**

Category #26

Unit of Service: Remote Server Support
Estimated Utilization: 7,452

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY12 CAP</u>	\$ <u>FY13 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	0	356,146
4	Fringe Benefits	0	146,020
	Total Personnel	\$0	\$502,166
507	Remote Server Replacement	0	461,652
	Total Hardware Purchase	\$0	\$461,652
Total Expense + Equipment:		\$0	\$461,652
Total Personnel and Expense + Equipment:		\$0	\$963,818
Indirect Costs Allocated:		\$0	\$115,976
Total Costs:		\$0	\$1,079,794

Rate Calculation:

Total Costs/Utilization

$$\frac{\$1,079,794}{7,452} = \$144.90 \text{ per Server per Month}$$

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**FY13 Billing Rate Derivation
State Data Center**

Category #27

Unit of Service: VDI
Estimated Utilization: 30,000

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY12 CAP</u>	<u>\$ FY13 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	0	0
4	Fringe Benefits	0	0
Total Personnel		\$0	\$0
243	VDI Server Maintenance	0	19,506
244	VDI Storage Maintenance	0	20,698
Total Hardware Maintenance		\$0	\$40,204
469	VMWare View Software Maintenance	0	152,650
470	Microsoft VDA Licensing (Software Subscription)	0	170,250
Total Software Maintenance		\$0	\$322,900
516	VDI End-Point Device (Then Clients)	0	0
517	VDI Server and Upgrades	0	65,020
518	VDI Storage and Upgrades	0	68,994
Total Hardware Purchase		\$0	\$134,014
609	VMWare View Licensing	0	86,000
Total Software Purchase		\$0	\$86,000
Total Expense + Equipment:		\$0	\$583,118
Total Personnel and Expense + Equipment:		\$0	\$583,118
Indirect Costs Allocated:		\$0	\$70,166
Job Costs:			
	SAN		\$1,772
	Server Support		\$54,772
	Tivoli Storage Management		\$70
	VM		\$17,796
	Data Domain		\$0
Total JobCosts:		\$0	\$74,410

State Data Center Cost Allocation Plan Fiscal Year 2013



VDI Rate Derivation continued

Item Number	Description	\$ FY12 CAP	\$ FY13 CAP
Total Costs:		\$0	\$727,694

Rate Calculation:

Total Costs/Utilization

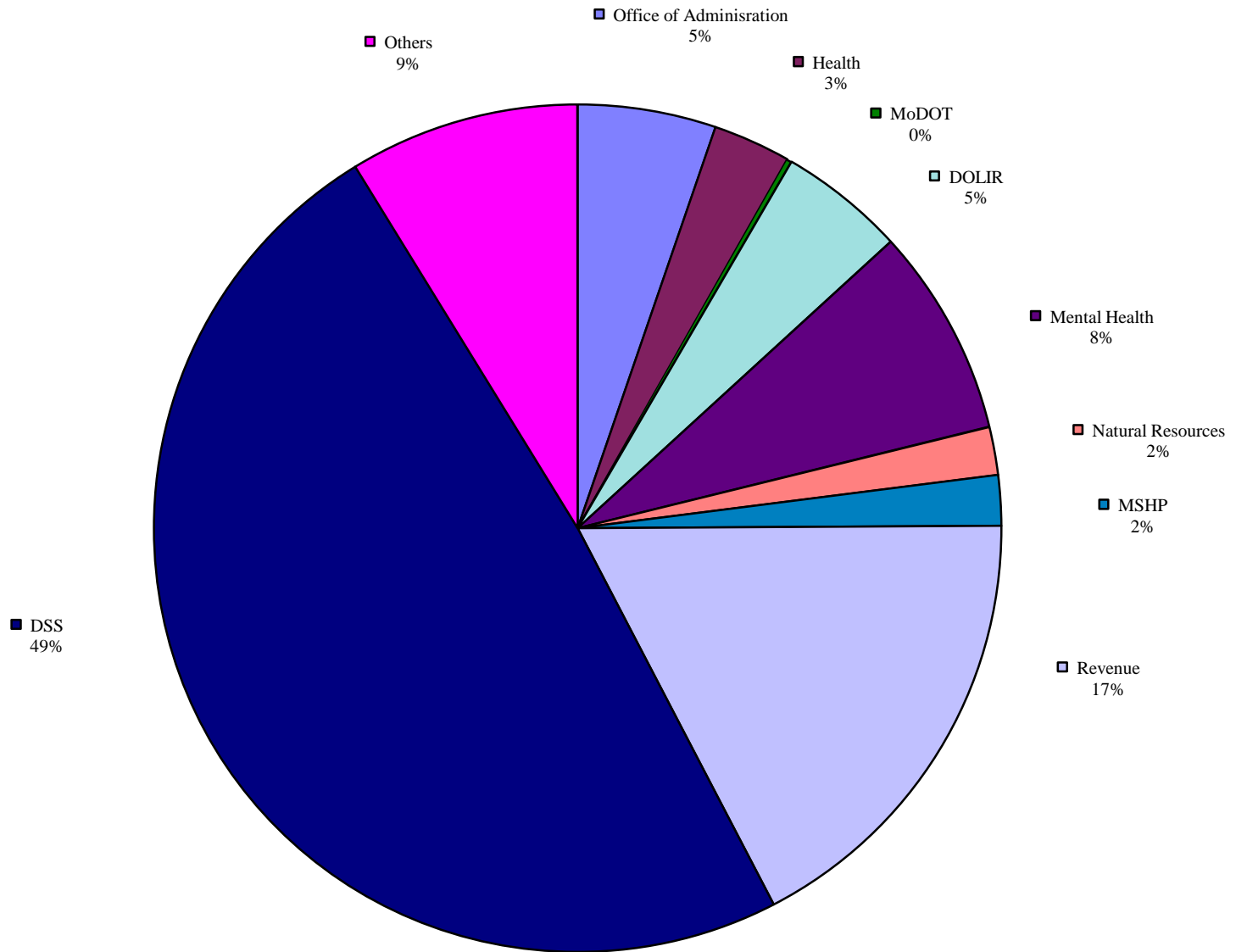
$$\frac{\$727,694}{30,000} = \$24.25646 \text{ per Virtual Desktop per month}$$

An Additional charger of \$5 per Month extra for every one (1) gb of memory over our standard Configuration.

An Additional charger of \$11 per Month extra for every one (1) additional virtual CPU over 3 vCPUs.

Cost Estimates (F)

**FY13 State Data Center
Estimated Customer Billing**



**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**FY13 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>CICS Transactions</u>	<u>All Fusion Service Units</u>	<u>CPU Service Units</u>
Senate	\$ 55	\$ 0	\$ 203
House of Representatives	139	0	657
Legislative Research	19	0	21
State Courts Administrator	1,369	0	6,385
Secretary of State	557	0	2,694
Auditor	70	0	419
Treasurer	81	0	132
Attorney General	267	0	742
OA/ITSD Systems & Programming	472	7,979	69,918
OA/Missouri Ethics Commission	7	0	11
OA/Deputy Commissioner	295	0	1,693
OA/Accounting	4,972	0	25,753
OA/Budget and Planning	154	0	1,197
OA/ITSD Production	10,907	0	436,847
OA/Design and Construction	267	0	655
OA/Personnel	10,781	0	17,851
OA/Purchasing	687	0	4,877
OA/General Services	2,439	0	8,214
OA/Facilities Management	993	0	3,439
OA/Administrative Hearing Commission	17	0	55
OA/OIT	0	0	0
Dept of Agriculture	511	0	1,293
Dept of Insurance	461	0	3,095
Dept of Conservation	697	0	2,788
Dept of Economic Development	1,943	0	23,314
Dept of Elementary & Secondary ED	2,348	0	8,836
Dept of Higher Education	175	0	1,552
Dept of Health & SS	25,781	0	143,639
Dept of Transportation	9,381	0	28,192
Dept of Labor & Industrial Relation	185,003	3	651,225
Dept of Mental Health	8,923	0	121,877
Dept of Natural Resources	3,204	0	52,179
Dept of Public Safety	2,606	0	9,997
Missouri State Highway Patrol	133,168	793	230,701
Kansas City Police Dept	75	0	22
ReJIS	90,969	0	39,278
Dept of Revenue	154,361	0	2,048,097
Lottery Commission	238	0	515
State Tax Commission	44	0	78
Highway Reciprocity Commission	0	0	0
Dept of Social Services	1,537,403	95,089	5,082,865
Dept of Corrections	9,186	0	20,598
Others	1,353	0	1,064
Agency Total :	\$2,202,381	\$103,866	\$9,052,970

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**FY13 Cost Estimates by Customer
State Data Center**

<u>Agency</u>		<u>Tivoli Storage Management</u>		<u>Data Storage Management</u>		<u>DB2 Service Units</u>
Senate	\$	0	\$	0	\$	53
House of Representatives		0		0		194
Legislative Research		0		0		6
State Courts Administrator		0		22		1,649
Secretary of State		0		10		774
Auditor		0		708		71
Treasurer		3,083		4		36
Attorney General		0		0		218
OA/ITSD Systems & Programming		53,795		5,959		9,248
OA/Missouri Ethics Commission		0		0		3
OA/Deputy Commissioner		0		0		515
OA/Accounting		0		21		6,869
OA/Budget and Planning		1,415		0		310
OA/ITSD Production		3,675		54,436		58,028
OA/Design and Construction		0		9		148
OA/Personnel		0		6		3,963
OA/Purchasing		0		0		736
OA/General Services		0		174		1,983
OA/Facilities Management		4,184		20		819
OA/Administrative Hearing Commission		0		0		14
OA/OIT		0		0		0
Dept of Agriculture		0		0		404
Dept of Insurance		2,740		31		971
Dept of Conservation		0		0		592
Dept of Economic Development		36,085		1,956		1,405
Dept of Elementary & Secondary ED		24,974		0		2,430
Dept of Higher Education		9,127		0		351
Dept of Health & SS		0		4,464		28,518
Dept of Transportation		0		4		6,869
Dept of Labor & Industrial Relation		34,188		76,548		12,386
Dept of Mental Health		260,143		12,503		31,895
Dept of Natural Resources		0		4,442		12,885
Dept of Public Safety		11,771		0		3,018
Missouri State Highway Patrol		0		10,510		32,270
Kansas City Police Dept		0		0		0
ReJIS		467		0		0
Dept of Revenue		154,795		137,306		264,265
Lottery Commission		0		0		152
State Tax Commission		597		0		22
Highway Reciprocity Commission		0		20		0
Dept of Social Services		142,372		186,564		1,606,007
Dept of Corrections		15,160		0		6,091
Others		0		0		51
Agency Total :		\$758,573		\$495,720		\$2,096,221

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**FY13 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>Direct Access</u>	<u>Storage</u>	<u>VM Images</u>	<u>IDMS Run Units</u>
Senate	\$	0	\$	0
House of Representatives		0		0
Legislative Research		0		0
State Courts Administrator		6		723
Secretary of State		23		3
Auditor		29		0
Treasurer		2	10,822	0
Attorney General		0	0	0
OA/ITSD Systems & Programming		30,990	38,479	92
OA/Missouri Ethics Commission		0	0	0
OA/Deputy Commissioner		0	0	0
OA/Accounting		26	0	0
OA/Budget and Planning		0	721	0
OA/ITSD Production		121,098	18,758	0
OA/Design and Construction		16	0	0
OA/Personnel		487	0	45
OA/Purchasing		2	0	0
OA/General Services		162	0	21
OA/Facilities Management		20	7,936	0
OA/Administrative Hearing Commission		0	1,443	0
OA/OIT		0	0	0
Dept of Agriculture		0	3,607	0
Dept of Insurance		3	5,050	38
Dept of Conservation		0	0	543
Dept of Economic Development		2,909	16,834	191
Dept of Elementary & Secondary ED		0	35,833	0
Dept of Higher Education		0	14,429	0
Dept of Health & SS		1,376	24,290	74,737
Dept of Transportation		26	0	119
Dept of Labor & Industrial Relation		43,302	38,479	3,269
Dept of Mental Health		6,161	93,791	409
Dept of Natural Resources		997	39,200	0
Dept of Public Safety		0	9,139	0
Missouri State Highway Patrol		1,861	0	72,434
Kansas City Police Dept		0	0	21
ReJIS		0	0	78,654
Dept of Revenue		152,718	57,638	778,259
Lottery Commission		0	0	0
State Tax Commission		0	0	0
Highway Reciprocity Commission		82	0	0
Dept of Social Services		584,931	32,707	839,275
Dept of Corrections		0	14,429	0
Others		0	0	1,458
Agency Total :		\$947,225	\$463,586	\$1,850,293

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**FY13 Cost Estimates by Customer
State Data Center**

<u>Agency</u>		<u>Print (Lines)</u>		<u>Print (Laser)</u>		<u>AD User ID</u>
Senate	\$	0	\$	0	\$	28
House of Representatives		0		0		9
Legislative Research		0		0		9
State Courts Administrator		0		8		75
Secretary of State		0		0		1,319
Auditor		0		20		38
Treasurer		0		0		358
Attorney General		0		0		2,529
OA/ITSD Systems & Programming		0		604		2,001
OA/Missouri Ethics Commission		0		0		97
OA/Deputy Commissioner		0		0		9
OA/Accounting		64		1,082		0
OA/Budget and Planning		0		164		19
OA/ITSD Production		0		22,005		57
OA/Design and Construction		0		0		0
OA/Personnel		0		354		66
OA/Purchasing		0		158		47
OA/General Services		27		2,544		135
OA/Facilities Management		0		582		578
OA/Administrative Hearing Commission		0		0		28
OA/OIT		0		0		0
Dept of Agriculture		0		0		264
Dept of Insurance		0		0		270
Dept of Conservation		0		9		57
Dept of Economic Development		0		9		11,947
Dept of Elementary & Secondary ED		0		0		3,914
Dept of Higher Education		0		3		528
Dept of Health & SS		65		6,003		1,363
Dept of Transportation		0		4		179
Dept of Labor & Industrial Relation		2		3,029		1,411
Dept of Mental Health		0		4		224,929
Dept of Natural Resources		0		98		12,814
Dept of Public Safety		0		0		1,392
Missouri State Highway Patrol		0		1,219		0
Kansas City Police Dept		0		0		0
ReJIS		0		0		0
Dept of Revenue		541		408,442		4,562
Lottery Commission		0		0		0
State Tax Commission		0		0		85
Highway Reciprocity Commission		0		0		0
Dept of Social Services		301		1,197,034		10,967
Dept of Corrections		0		0		5,934
Others		0		0		19
Agency Total :		\$1,001		\$1,643,374		\$288,040

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**FY13 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>AD Exchange</u>	<u>Mailboxes</u>	<u>SAN</u>	<u>Server Support</u>
Senate	\$	0	\$	0
House of Representatives		0		0
Legislative Research		0		0
State Courts Administrator		0		0
Secretary of State		0		0
Auditor		0		0
Treasurer		0	7,379	0
Attorney General		122	0	0
OA/ITSD Systems & Programming		20,217	14,864	1,095
OA/Missouri Ethics Commission		1,989	0	0
OA/Deputy Commissioner		3,613	0	0
OA/Accounting		2,497	0	0
OA/Budget and Planning		3,796	806	0
OA/ITSD Production		6,739	7,958	0
OA/Design and Construction		0	0	0
OA/Personnel		4,344	0	0
OA/Purchasing		3,978	0	0
OA/General Services		6,231	0	0
OA/Facilities Management		41,306	4,433	0
OA/Administrative Hearing Commission		1,888	488	0
OA/OIT		0	0	0
Dept of Agriculture		22,307	3,310	0
Dept of Insurance		42,565	1,139	3,286
Dept of Conservation		0	0	0
Dept of Economic Development		44,574	13,686	1,095
Dept of Elementary & Secondary ED		97,126	27,414	0
Dept of Higher Education		5,805	4,062	0
Dept of Health & SS		146,815	14,813	0
Dept of Transportation		0	0	0
Dept of Labor & Industrial Relation		72,159	13,432	4,017
Dept of Mental Health		398,448	93,318	25,560
Dept of Natural Resources		122,153	52,742	0
Dept of Public Safety		73,722	3,727	1,095
Missouri State Highway Patrol		0	0	0
Kansas City Police Dept		0	0	0
ReJIS		0	0	0
Dept of Revenue		106,923	40,748	6,573
Lottery Commission		0	0	0
State Tax Commission		3,430	0	0
Highway Reciprocity Commission		0	0	0
Dept of Social Services		538,768	9,534	13,510
Dept of Corrections		815,490	5,306	0
Others		792	0	0
Agency Total :		\$2,587,796	\$319,158	\$56,232

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**FY13 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>WAS</u>	<u>VRanger - Data Domain</u>	<u>Remote Server Support</u>
Senate	\$ 0	\$ 0	\$ 0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	0	0	0
Auditor	0	0	0
Treasurer	0	3,267	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	0	35,931	0
OA/Missouri Ethics Commission	0	0	0
OA/Deputy Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	0	26	90,418
OA/Design and Construction	0	0	0
OA/Personnel	0	0	0
OA/Purchasing	0	0	0
OA/General Services	0	0	0
OA/Facilities Management	0	15,029	0
OA/Administrative Hearing Commission	0	23	0
OA/OIT	0	0	0
Dept of Agriculture	0	2,409	0
Dept of Insurance	0	2,952	0
Dept of Conservation	0	0	0
Dept of Economic Development	0	4,834	0
Dept of Elementary & Secondary ED	0	73,577	85,201
Dept of Higher Education	29,508	4,338	0
Dept of Health & SS	0	214,331	34,776
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	0	19,437	29,560
Dept of Mental Health	0	64,048	234,738
Dept of Natural Resources	44,262	20,482	41,731
Dept of Public Safety	0	3,137	29,560
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	44,262	42,344	12,172
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	0	31,555	347,760
Dept of Corrections	29,508	1,552	173,880
Others	0	0	0
Agency Total :	\$147,541	\$539,270	\$1,079,794

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**FY13 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>VDI</u>	<u>Estimated Billing</u>
Senate	\$ 0	\$ 339
House of Representatives	0	999
Legislative Research	0	55
State Courts Administrator	0	10,237
Secretary of State	0	5,381
Auditor	0	1,355
Treasurer	0	25,164
Attorney General	0	3,879
OA/ITSD Systems & Programming	0	291,644
OA/Missouri Ethics Commission	0	2,108
OA/Deputy Commissioner	0	6,126
OA/Accounting	0	41,284
OA/Budget and Planning	0	8,582
OA/ITSD Production	0	830,951
OA/Design and Construction	0	1,096
OA/Personnel	0	37,897
OA/Purchasing	0	10,485
OA/General Services	0	21,931
OA/Facilities Management	0	79,339
OA/Administrative Hearing Commission	0	3,957
OA/OIT	0	0
Dept of Agriculture	0	34,107
Dept of Insurance	0	62,603
Dept of Conservation	0	4,687
Dept of Economic Development	8,732	169,516
Dept of Elementary & Secondary ED	5,822	367,474
Dept of Higher Education	2,911	72,790
Dept of Health & SS	29,108	750,079
Dept of Transportation	0	44,775
Dept of Labor & Industrial Relation	29,108	1,216,559
Dept of Mental Health	436,616	2,013,364
Dept of Natural Resources	58,216	465,405
Dept of Public Safety	5,822	154,986
Missouri State Highway Patrol	0	482,956
Kansas City Police Dept	0	118
ReJIS	0	209,368
Dept of Revenue	5,822	4,419,827
Lottery Commission	0	905
State Tax Commission	0	4,256
Highway Reciprocity Commission	0	102
Dept of Social Services	122,253	12,378,895
Dept of Corrections	0	1,097,134
Others	0	4,736
Agency Total :	\$704,408	\$25,337,449

Rate Comparison (G)

**State Data Center
Cost Allocation Plan
Fiscal Year 2013**



**Comparison of Fiscal Year Billing Rates
State Data Center**

<u>Category</u>	<u>FY13</u>	<u>FY12</u>	<u>FY11</u>	<u>FY10</u>	<u>FY09</u>
AD & Exchange Mailboxes (Monthly Rate)	5.07448	4.36337	4.02566	2.45987	1.79155
AD User ID (Monthly Rate)	0.78539	0.74021	1.01424	0.63685	0.61351
All Fusion CPU Service Units	0.01635	0.02847	0.00875	0.01182	0.01604
CICS Transactions	0.00101	0.00087	0.00073	0.00088	0.00089
CPU Service Units/1000	0.00688	0.00944	0.00924	0.00955	0.00940
Data Storage Mgmt/GB Day	0.00716	0.00867	0.01016	0.01143	0.02706
DB2 Service Units/1000	0.00182	0.00216	0.00177	0.00171	0.00162
Disk Storage/GB Day	0.13397	0.09566	0.08961	0.13896	0.19689
IDMS Run Units	0.00517	0.00537	0.00424	0.00365	0.00304
Laser Feet Printed	0.03039	0.03098	0.03153	0.04356	0.03820
Laser Feet Printed/Duplex	0.02431	0.02479	0.02522	0.03485	0.03056
Lines (Impact) Printed/1000	0.36249	0.36956	0.37603	0.51960	0.45571
Remote Server Support	144.89986	0.00000	0.00000	0.00000	0.00000
SAN	0.15992	0.09361	0.26777	0.32114	0.30798
Server Support	91.28603	29.82952	52.21829	54.28303	45.50505
Tivoli Storage Management	0.00390	0.00305	0.00328	0.00204	0.00205
VDI	24.25646	0.00000	0.00000	0.00000	0.00000
VM	60.12272	53.36238	57.01808	46.97878	58.48650
Vranger - Data Domain	0.00121	0.39358	0.01303	0.00000	0.00000
WAS	614.75440	464.35951	304.48994	0.00000	0.00000

Cost Compare with Percentage of Change

Num.	Category Description	13 Percentage of change	FY13	12 Percentage of change	FY12	11 Percentage of change	FY11	10 Percentage of change	FY10	09 Percentage of change	FY09
1	Laser Feet Printed	-2%	0.03039	-2%	0.03098	-28%	0.03153	14%	0.04356	9%	0.03820
1	Lines (Impact) Printed/1000	-2%	0.36249	-2%	0.36956	-28%	0.37603	14%	0.51960	9%	0.45571
1	Laser Feet Printed/Duplex	-2%	0.02431	-2%	0.02479	-28%	0.02522	14%	0.03485	9%	0.03056
2	CPU Service Units/1000	-27%	0.00688	2%	0.00944	-3%	0.00924	1%	0.00955	-22%	0.00940
3	CICS Transactions	16%	0.00101	19%	0.00087	-17%	0.00073	-2%	0.00088	0%	0.00089
5	Data Storage Mgmt/GB Day	-17%	0.00716	-15%	0.00867	-11%	0.01016	-58%	0.01143	2%	0.02706
7	AD User ID per Month	6%	0.78539	-27%	0.74021	59%	1.01424	4%	0.63685	14%	0.61351
7	AD & Exchange Mailbox per Month	16%	5.07448	8%	4.36337	64%	4.02566	37%	2.45987	-10%	1.79155
8	Disk Storage/GB Day	40%	0.13397	7%	0.09566	-36%	0.08961	-29%	0.13896	-10%	0.19689
10	IDMS Run Units	-4%	0.00517	27%	0.00537	16%	0.00424	20%	0.00365	115%	0.00304
11	DB2 Service Units/1000	-16%	0.00182	22%	0.00216	4%	0.00177	6%	0.00171	-24%	0.00162
14	All Fusion CPU Service Units/1000	-43%	0.01635	225%	0.02847	-26%	0.00875	-26%	0.01182	4%	0.01604
15	VM per Image per Month	13%	60.12272	-6%	53.36238	21%	57.01808	-20%	46.98	0%	58.49
16	SAN per 1GB per Month	71%	0.15992	-65%	0.09361	-17%	0.26777	4%	0.32	0%	0.31
17	Server Support per Server per Month	206%	91.28602	-43%	29.82952	-4%	52.21830	19%	54.28	0%	45.51
19	Tivoli Storage Mngt/GB Day	28%	0.00390	-7%	0.00305	61%	0.00328	-1%	0.00204	87%	0.00205
21	WAS per Image per Month	32%	614.75439	53%	464.35956	0%	304.48998				
25	VRanger-Data Domain GB Day	-100%	0.00121	2920%	0.39358	0%	0.01303				
26	Remote Server Support per Server per Month	#DIV/0!	\$ 144.90								
27	VDI per Virtual Desktop per Month	#DIV/0!	24.25646								